Room No: _____ Regd No_____

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I Degree (ALL)	Max Marks	: 60
Subject	: English	Pass Mark	: 24
Title of Paper	: A Course in Reading & Writing Skills	Duration	: 3Hrs
Paper Code	: R23ENG201	Time	: 9am - 12noon
W.E.F	: 2023-24	Date	: 04.05.2024

SECTION-A

(Poetry)

I. Answer any THREE questions from the following ; **3X4=12M**

1. What is the central theme of "Ulysses" by Alfred, Lord Tennyson?
2. How does Tennyson portray Ulysses in the poem "Ulysses? Is he heroic or selfish.
3. Why does the speaker stop in the woods on the darkest evening of the year? What do the woods symbolize?
4. What is the central idea of the poem "Stopping by Woods on a Snowy Evening"?
5. How does Ezekiel describe the incident, the suspense, fear, superstition surrounding the incident in the poem,'The Night of the Scorpion"?
6. What does the mother's reaction to the scorpion's sting suggest about her character?

(Prose)

II. Answer any THREE questions from the following : **3X4=12M**

1. How did the couple help derelict adolescents to lead normal lives?
2. Why did the young man try to commit suicide? How did the three witnesses help the young man?
3. How did A.J. Cronin display his humanity according to the lesson "The Best Investment I Ever Made"
4. What happened when the train stopped at Deoli? Describe the meeting between the boy and the basket girl?
5. Summarise Ruskin Bonds "The Night train at Deoli" in your own words?
6. Write down the various feelings and emotions undergone by the speaker in the lesson "The Night train at Deoli"

(Non-Detail)

III. Answer any TWO questions from the following **2X3=6M**

1. Why was Florence Nightingale called "The Lady with the Lamp"? Describe her service to the wounded soliders in Scutari Hospital.
2. How did Abrar Moshin depict the greatness of Florence Nightingale?
3. Describe R.K.Narayan's "An Astrologer's Day" as a story about human greed.
4. Who is Guru Nayak? Describe the ironic meeting between the astrologer and Guru Nayak

[P.T.O]

SECTION B

IV. A) Pick the correct form of words: **1/2X4=2M**

a) Why do you speak _____with strangers(anger, angry, angrily).

b) He ____ to the college everyday (go, goes, going)

c) Sheela _____to be a police officer when she grows up(want, wants)

d) They _____ till the evening(play, played, playing)

B) Match the following words with their meanings: **6X1=6M**

A	B
1. Manuscript	a) a medicine to counteract the effect of poison.
2. Germicide	b) one who looks at the bright side of things.
3. Bureaucracy	c) walk on foot.
4. Optimist	d) a substance that kills germs.
5. Pedestrian	e) government officials.
6. Antidote	f) A paper written by hand.

C) Fill in the blanks with the correct words given in the brackets: **1/2X4=2M**

1. The Woman _____I met was Jeremy(which, whom).
2. Eva has not taken _____food(some, any).
3. Nobody _____the fact(know, knows).
4. Hard works_____ success(bring, brings).

V. Write a short note on Skimming and Scanning. **1X5=5M**

VI. Read the following paragraph below and answer the questions that follows:5X1=5M

Archaeology as a profession faces two major problems. First, it is the poorest of the poor. Only paltry sums are available for excavating and even less is available for publishing the results and preserving the sites once excavated. Yet archaeologists deal with priceless objects every day. Second, there is the problem of illegal excavation, resulting in museum-quality pieces being sold to the highest bidder. I would like to make an outrageous suggestion that would at one stroke provide funds for archaeology and reduce the amount of illegal digging. I would propose that scientific archaeological expeditions and governmental authorities sell excavated artifacts on the open market. Such sales would provide substantial funds for the excavation and preservation of archaeological sites.

Questions:

1. Why is Archaeology considered as the poorest of the poor professions?
2. What are funds in Archaeology needed for?

[Continued To Next Page]

3. What is the second major problem in this profession?
4. What according to the author can provide substantial funds for the excavation and preservation of archaeological sites?
5. What is the synonym for the word 'excavating'.

(OR)

Read the following passage and make notes:

Homoeopathy has come to be known, over the years, as a form of medical treatment without side effects. In the eighteenth century, Dr Samuel Hahnemann, convinced that existing medical practices did more harm than good, began to look for an alternative that would be safe, gentle, and effective. He reasoned that instead of suppressing symptoms as allopathy does, one should seek to stimulate and so encourage and assist the body's natural healing process. Hahnemann had already discovered that a small dose of quinine in a healthy person produced the symptoms of malaria. A number of systematic experiments followed this discovery. Hahnemann then worked to establish the smallest effective dose as he realised that this was the best way to avoid side effects. In so doing, he unexpectedly discovered one of the basic tenets of homoeopathy, that the more a remedy was diluted, the more effective it became. Thus, by trial and perseverance, Hahnemann finally arrived at his goal.

One of the principles of homoeopathy is that a person's response to a disease varies according to his or her basic temperament. Thus, a homoeopathy doctor will take into account the patient's temperament and responses to certain conditions before prescribing any medicine because it is the patient who is being treated and not the disease. Patients with the same ailment may often require different remedies.

Homoeopathy does not reject the great discoveries of modern science, only their commercial abuse. In many cases, homoeopathy is complementary to the newer methods of modern medical practice.

VII. Answer any one of following : **1X5= 5M**

A. Expand any one of the ideas

I. All that glitters is not gold/precious.

II. A stitch in time saves nine.

(OR)

B. Define the following terms:

I. Notice.

II. Agenda

III. Minutes

[Continued To Next Page]

VIII. Answer the following. **1X5=5M**

Write a C.V. applying for the post of lecturer in Computer science in an esteemed college.

(OR)

Write a letter to the principal asking permission to take leave for 10 days as you are going to attend an International conference in Bangalore.

(OR)

Write an e- mail to hiteshtravelagency@gmai.com seeking information about the summer tour packages for 15 days.

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Room No: _____ **Regd No:** _____

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I Degree (All Groups)	Max Marks	: 60
Subject	: English	Pass Mark	: 24
Title of Paper	: A Course in Reading And Writing Skills	Duration	: 3 Hrs
Paper Code	: R20ENG201A	Time	: 9am - 12noon
W.E.F	: 2022-23	Date	: 04.05.2024

I. Answer any THREE Questions from the following : **3X4=12M**

1. Describe the character of Kezia.
2. What does the Katherine Mansfield want to convey through the story "The Doll's House"
3. What is the mystery about Deoli station that Ruskin Bond talked about.
4. Describe what happened at the Deoli station on the author's return journey from Dehra after two months.
5. What examples does Betrand Russell give to those who have opinions that flatter their self-esteem?

II. Answer any THREE Questions from the following : **3X4=12M**

1. Why does the poet want to become the West wind and how does he justify that the west wind is super power?
2. What did the ascetic do when he saw the dancing girl In a desperate situation?
3. Describe a typical day of a fisher man as portrayed in the poem Coramandel fishers.
4. " The sea is your mother, the clouds are your brothers and the tides are comrades" explain the meaning of these lines.
5. How is the spring season described in the poem Upagupta?

III. Answer any THREE Questions from the following : **3X4=12M**

1. How did Nightingale bring about a change in the hospital in Scutari?
2. Why did Sydney Herbert request nightingale to go Crimea?
3. What is the role of fate and chance in the story "An Astrologer's day?"
4. What did astrologer ask Gurunayak to do?
5. What did astrologer carry with him?

IV. Answer the following

1. Fill in the blanks with a suitable given in the brackets: **4X1=4M**

a) Study of religion (Theology/Psephology)

b) Fear of heights (Hydrophobia/Aerophobia)

c) _____ music thundered from my neighbouring house. (Loud/Loudly)

d) They have been living happily _____ Ten years . (Since/for)

2. Read the given paragraph and answer the questions that follow: **1X4=4M**

About a hundred years ago whenever an operation was performed, that patient suffered tearful pain as he felt the surgeon cut into his flesh. But now serious operations have been carried out without pain, and thousands of lives have been saved. James Simpson was the first to discover and use the pain-killing power of chloroform. James was born in a poor family. So in boyhood, he had not only to help his father in the holidays but also assist the village doctor. But he was horrified at the terrible suffering of the people who came to the hospital for treatment. He now made it his aim in life to find out new discoveries which would prevent so much pain. Simpson made many experiments and ultimately discovered chloroform. Now the patient does not dread an operation.

(a) Why did patients suffer tearful pain when an operation was performed in the past?

(b) Who discovered chloroform?

(c) What did he do in his boyhood?

(d) What made him horrified?

[P.T.O]

(OR)

3. Read the following passage and make notes:

Jawaharlal Nehru treated parliament with a difference because he believed in the value of parliamentary democracy in the value of good precedents. And in the lying down and crying out of policies with the consent of people or their representatives. It was not easy for with the vast burden of illiteracy , the country had started with adult suffrage to Jawaharlal Nehru, there was no other way, with many limitations, he enabled three general elections to Democracy. Any democracy whatever the forms and the rules , is government by Deliberation and it demands a capacity for debate and he taught the lesson ceaselessly. Democracy must ensure a good government. It must allow criticism and correction; it means balances and checks.

4. Expand any one of the following ideas: **1X4=4M**

a. A rolling stone gathers no moss.

b. A book cannot be judged by its corner.

OR

5. Describe the following terms

a. Agenda b. Notice c. Minutes

6. Answer any question from the following: **1X4=4M**

a. What are the differences between and scanning?

OR

b. How are note making and note taking useful?

7. Answer any two questions from the following: **2X4=8M**

a. Explain the structure of the CV.

b. Write a letter to the principal with a request for organizing a study tour

c. Write an email letter to you librarian requesting him/her to renew the date of the books you have borrowed as you are unable to travel to college.

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Room No: _____ Regd No: _____

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I Degree(All Groups)	Max Marks	: 75
Subject	: English	Pass Mark	: 30
Title of Paper	: A Course in Reading & Writing Skills	Duration	: 3 Hrs
Paper Code	: R20ENG201	Time	: 9am - 12noon
W.E.F	: 2023-24	Date	: 04.05.2024

SECTION-A

I. Answer any three questions from the following: **3×5=15 M**

1. What do you learn from the example about Aristotle?
2. Describe the Doll's house of the children.
3. How does Katherine Mansfield present the class conflict between innocence and experience through this story?
4. Why did the author wonder about Deoli station?
5. Where would the author spend his summer vacation? When would he leave for the vacation and return to college?

II. Answer any three questions from the following: **3×5=15 M**

6. What effect does the west wind have on the ocean?
7. How do we know that the dancing girl was rich?
8. Why didn't Upagupta accept the invitation of the dancing girl?
9. What is the central theme of the poem" Coromandel Fishers"?
10. What are the problems faced by the Coromandel Fishers?

III. Answer any three questions from the following: **3×5=15 M**

11. Why did Astrologer run away from the village?
12. What did the Astrologer ask Guru Nayak to do?
13. What did the Astrologer carry with him?
14. What did Florence Nightingale want to become? Why were her parents unhappy with her choice?
15. Why was she called "The lady with the Lamp"?

IV Answer the following:

I. Fill in the blanks with a suitable answer given in the brackets. **5×1=5M**

1. One who believes in fate.(Egoist/Fatalist)
2. Writing that is impossible to read.(Legible/illegible)
3. It is raining ----------.(strongly/heavily)
4. Could you ---------- me a favour and open the window a little?(do/make)
5. One who believes in God.(Atheist/theist)

2. Read the given paragraph and answer the questions below. **1×5=5 M**

There was a Guru who had mastered the Scriptures. One day when he was teaching the vedas to his disciples, a cat started moving around. This did not disturb the Guru, but was a distraction to some of his disciples. So the Guru instructed his disciples to get hold of the cat and tie it to pillar. As the nuisance recurred on the following days, the cat was regularly tethered to the pillar before the Guru began his teaching.

Some years later the Guru died. One if his disciples became the new head. The practice of lethering the cat to the pillar continued; After a few months the cat died. When the Guru began his teaching the next day he noticed that the cat was missing. He said, "Don't you know that a cat must be tied to the pillar during my teaching? That is our tradition. Go and find a cat". The disciples immediately obeyed the order.

[P.T.O]

Blindly following traditions, thus, is foolish and serves no purpose.

Questions

1. Why were the disciples distracted?
2. What was done to prevent the cat from roaming about?
3. Who became the new head?
4. What practice continued after the new Guru took charge?
5. The new Guru was foolish because....(Choose the best answer)
   i) He was blindly following a practice
   ii) He was fond of cats
   iii) He disliked traditions

(OR)

3. Read the following passage and make notes:

Drug related health disorders are many and varied. Dirty needles and solutions used for injecting drugs can easily cause abscesses in the arms and veins, liver disease, venerial disease, disease and infection of the kidneys and brain. Sniffing cocaine and anaphetamines can damage the tissue of the nose and Marijuana and tobacco smoking can cause lung diseases. Heavy users of alcohol volatile solvents, amphetamines or marijuana may find that their livers are permanently damaged. Babies of women addicted to opiates are likely to be born addicted and to suffer from withdrawal symptoms. Cocaine and amphetamines can cause hair loss. Recent research has indicated that marijuana can damage cells. A drug user's way of life makes him more susceptible to pneumonia, tuberculosis, malnutrition and weight loss. Finally, an overdose of any of the sensual drugs can lead to respiratory or cardiac failure and death,

4. Expand any one of the following Ideas: **1×5=5M**

a) A rolling stone gathers no moss.

b) A thing of beauty is a joy forever.

(OR)

5. Describe the following terms:

a) Minutes. b) Agenda. c) Notice

6. Answer any question from the following. **1×5=5 M**

1. What is Skimming?

(OR)

2. What is Scanning?

7. Answer any two questions from the following. **2×5=10 M**

1. Explain the structure of the CV.

2. Write a letter to the Editor of a leading newspapers on the problems of Eve-teasing in your city.

3. Write an email to your friend telling him/her how much you liked the vacation photos online.

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Room No: _____ Regd No: _____

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I Degree (All Groups)	Max Marks	: 60
Subject	: English	Pass Mark	: 24
Title of Paper	: General English	Duration	: 3 Hrs
Paper Code	: CBENG201A	Time	: 9 am - 12 noon
W.E.F	: 2018-19	Date	: 04.05.2024

SECTION-A

I. Answer TWO of the following in about 75 words each: **2X5=10M**

a) How does science affect the life of an average man?

b) "Science direct the people in many ways". How?

c) What do you understand with the practice of shaking hands?

d) How does Gardiner refer to a greeting without a hand shake?

II. Answer TWO of the following in about 75 words each: **2X5=10M**

a) Give examples in which the poet shows his love towards autumn season.

b) What does Keats mean by " mists and mellow fruitfulness" ?

c) What does Kishwar Naheed tell about herslf in the first stanza?

d) How does the woman in the poster not want to be?

III. Answer TWO of the following in about 75 words each: **2X5=10M**

a) What did the sweeper boy complain about?

b) How did old Ganpat astonish everyone?

c) How was Subbiah trained by his father in the rice business?

d) How did Subbaih meet his tragic end?

IV. Answer TWO of the following in about 75 words each: **2X5=10M**

a) Why did Lomov want to marry his neighbour , Natalia?

b) What was the first cause of argument between Natalia and Lomov?

c) Why did Chebukov call back Lomov even using insulting words?

d) What was the cause of the second argument?

[P.T.O]

SECTION-B

V. Read the following passage & answer the question that follow: **5X1=5M**

Mike and Morris lived in the same village while Morris owned the largest jewelry shop in the village mike was poor farmer. Both had large families with many sons, daughters-in-law , one fine day , mike tried of not being able to feed his family , decided to leave the village and move to the city where he was certain to earn enough to feed everyone , along with his family, he left the village for the city. At night they stopped under a large tree, there was a stream running nearly where they could fresher up themselves.

a. Morris had a _____ shop
b. Both had many sons and _____
c. Mike left the village and moved to the _____
d. There was a _____ running nearby
e. Mike was a _____

VI. Fill in the blanks with the given words:

Vindictive Faultfinding Skeptical biased Gullible

a) Don't be _____ why must you believe everything you hear?
b) You are always looking for something to criticize. Must you be so _____
c) Since Raghu is your best friend , I would except him be _____ in your favour.
d) I am not _____ I do not seek revenge
e) My father was _____ when I said I had got a salary hike, he did not believe until I showed him my pay check.

VII. Change the following sentences into passive voice: **5X1=5M**

a) John Milton wrote paradise Lost
b) She is making a cake
c) They have done this project
d) People speak Hindi all over India
e) He had built a tower

VIII. Change the following sentences into indirect speech:

a. He said ,"how beautiful picture it is !"
b. She said,"Don't disturb me when I am doing homework"
c. Latha said,"when are you going to college?"
d. He said, "Do you eat meat?"
e. The girl asked him, "Can you sing with me?"

IX. Rewrite as directed:

a. The Nile is the longest river [change into positive degree]
b. Very few cities in India are as big as India [change it into superlative degree]
c. Rahul is one of the tallest actors in the industry [change into positive degree]
d. Ramesh is more intelligent than suresh [change it into positive degree]
e. No other player is as good as Sachin [change into comparative]

X. Write a Dialogue between the Bank Manager and a Customer **1X5=5M**

XI. Write a Composition on the hints given below : **1X5=5M**

A postman in a village – interested in everyone – a good friend of all – a girl's marriage settles-her granduncle dies –the postman delays in delivering the letter- gives it after marriage – the girl's father is thankful to him

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I Degree(All Groups)	Max Marks	: 60
Subject	: Telugu	Pass Mark	: 24
Title of Paper	: General Telugu	Duration	: 3Hrs
Paper Code	: R23TEL201	Time	: 9am-12noon
W.E.F	: 2023-24	Date	: 06-05-2024

అ-విభాగము

I. క్రింది 8 ప్రశ్నలలో ఏవైనా 5 ప్రశ్నలకు సమాధానం రాయాలి. 5X4=20మా

1. భాష యొక్క అవశ్యకతను తెలపండి.

2. వర్ణం గూర్చి రాయండి.

3. వెబ్ గురించి పేర్కొనండి.

4. మునిమాణిక్యం గారు ఉపాధ్యాయునిగా తన మొదటి అనుభావాన్ని వర్ణించిన విధానం తెల్పుము.

5. కొన్ని రకాల వెబ్ సైట్లను పేర్కొనండి.

6. మైక్రో బ్లాగింగ్ ప్రయోజనాలను వర్ణించుము .

7. అనువాదంలో భౌగోళిక సమస్యలను వివరించండి.

8. ఈ క్రింది అంశాన్ని తెలుగులోకి అనువదించి రాయండి.

God is the ocean of virtues. If you are burning with any vice, take a holy dip in that ocean God is with in You Just like the fragrance in a flower images in a mirror Peace and happiness are credited in your account. when God is remembered, but debited when he is forgotten.

ఆ- విభాగము

II. ప్రతి భాగం నుండి ఒక్కొక్క ప్రశ్నకు జవాబు రాయండి. 5X8=40మా

9. భాషను నిర్వచించి, భాషోత్పత్తి వాదాల గురించి తెలియజేయండి.

(లేదా)

10. భాషా నిర్మాణంలో వర్ణమాల ప్రాధాన్యాన్ని పేర్కొనుము.

11. అనువాదాన్ని నిర్వచించి దాని స్వరూప స్వభావాలను తెలియ జేయండి.

(లేదా)

[P.T.O]

12. అనువాదంలో వ్యాకరణ, సాంస్కృతిక సమస్యలను గూర్చి రాయండి.

13. రేడియో భాష ఎలా ఉండాలి, దాని రచనకు ఉండాల్సిన లక్షణాలు పేర్కొనండి.

(లేదా)

14. యాంకరింగ్ నిర్వహణ తీరు తెన్నులను వర్ణించండి.

15. జంఘాల శాస్త్రి స్వభాష గురించి చెప్పిన అంశాలు పేర్కొనుము .

(లేదా)

16. మీ విద్యార్థి దశలో మీ యొక్క తెలుగు అధ్యాపకులను ఆటపట్టించిన విధము తెల్పుము.

17. వికిపీడియా లక్ష్యాలు, మార్గ దర్శకాలను తెలపండి .

(లేదా)

18. సోషల్ మిడియా వలన కలుగు లాభ నష్టాలు గూర్చి రాయండి.

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Room No: _____ Regd No: _____

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I Degree (All Groups)	Max Marks	: 60
Subject	: Telugu	Pass Mark	: 24
Title of Paper	: General Telugu	Duration	: 3 Hrs
Paper Code	: R20TEL201A	Time	: ఇదా - 12గంటలు
W.E.F	: 2022-23	Date	: 06-05-2024

పార్ట్ – ఎ

I ఈ క్రింది వానిలో "ఐదింటికి" సంక్షిప్త సమాధానాలు వ్రాయండి. 5X4=20 మార్కులు

1. ఆధునిక కవిత్వం. 2. కథానిక 3.బండారు ప్రసాద మూర్తి.

4.తెలుగు నవల 5.తెలుగు నాటకం పరిచయం 6.విమర్శ

7. మహీధర రామ్మోహనరావు 8. తెలుగు నాటకం

పార్ట్ – బి

II ఈ క్రింది వానిలో అన్ని ప్రశ్నలకు సమాధానాలు వ్రాయుము 5X8=40 మార్కులు

9. కొండవీడులో దువ్వూరి రామిరెడ్డి గారి సందేశాన్ని వివరించండి?

(లేదా)

'తాతకో నూలుపోగు' ద్వారా బండారు ప్రసాదమూర్తి గారు నేతగాని స్థితిని ఎలా వర్ణించారు?

10.తెలుగు కథానికను పరిచయం చేసి కథానిక లక్షణాలు తెలపండి ?

(లేదా)

స్వేదం ఖరీదు ఇతి వృత్తాన్ని తెలపండి?

11.నవల ఆవిర్భావ వికాసాలను తెలపండి?

(లేదా)

' రథ చక్రాలు ' నవలలోని ఇతివృత్తాన్ని విశ్లేషించండి?

[P.T.O]

12. తెలుగు నాటక పరిణామాన్ని గూర్చి వ్రాయండి?

(లేదా)

యక్ష గానం ద్వారా రచయిత ఇచ్చిన సందేశాన్ని తెలపండి?

13. విమర్శ స్వరూప స్వభావాలను వివరిస్తూ ఉత్తమ విమర్శకుని లక్షణాలను రాయండి?

(లేదా)

విమర్శ లోని వివిధ భేదాలను వివరించండి?

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class : I Degree (All Groups)
Subject : Telugu
Title of Paper : General Telugu
Paper Code : R20TEL201
W.E.F : 2022-23

Max Marks : 75
Pass Mark : 30
Duration : 3 Hrs
Time : 9am-12noon
Date : 06-05-2024

అ - విభాగము

I. ఈ కిందివాటిలో ఐదింటికి సమాధానాలు రాయండి. **5×5=25**

ప్రతి సమాధానానికి 5 మార్కులు.

1. విమర్శ ప్రయోజనం
2. అనిసెట్టి సుబ్బారావు
3. ఉత్తమ విమర్శకుడు
4. నవల – లక్షణాలు
5. తెలుగు నాటకం
6. కాళీపట్నం రామరావు
7. ఆధునిక కవిత్వం
8. తెలుగు కథానిక

ఆ - విభాగము

II. ఈ కింది అన్ని ప్రశ్నలకు సమాధానాలు రాయండి. **5×10=50**

ప్రతి సమాధానానికి 10 మార్కులు.

9. ఆధునిక కవిత్వ ఆవిర్భావ వికాసాలను వివరించండి ?

(లేదా)

మాతృ సంగీతం ద్వారా అనిసెట్టి సుబ్బారావు చెప్పిన భావాలేవి ?

10. తెలుగు కథానికను పరిచయం చేసి కథానిక లక్షణాలను తెలపండి ?

(లేదా)

"భయం" కథ ద్వారా రచయిత సమాజానికిచ్చిన సందేశం ఏమిటి?

11. సాహిత్య ప్రక్రియగా నవల స్థానాన్ని వివరించండి ?

(లేదా)

"రథచక్రాలు" నవలలో ప్రధానమైన కథను తెల్పండి?

12. తెలుగు నాటక రంగం వికాసాన్ని వివరించండి ?

(లేదా)

"యక్షగానం" నాటికలోని ప్రధానమైన వస్తువును తెలియజేయండి?

13. తెలుగు సాహిత్య విమర్శ స్వరూప స్వభావాలను వివరించండి ?

(లేదా)

విమర్శలోని వివిధ భేదాలను వివరించండి ?

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class : I Degree (All Groups)
Subject : Telugu
Title of Paper : General Telugu
Paper Code : CBTEL201B
W.E.F : 2019-20

Max Marks : 75
Pass Mark : 30
Duration : 3 Hrs
Time : 9am-12noon
Date : 06-05-2024

పార్ట్ - ఎ

I. ఈ క్రింది పద్యాలలో **ఒకదానికి** ప్రతిపదార్థ తాత్పర్యములు వ్రాయుము. 1X8=8 మా

ఉదయ గ్రావము పానవట్ట, మభిషేకోద ప్రవాహంబు
వార్ధి, దరీధ్వాంతము ధూప ధూమము, జ్వలద్దీప ప్రభారాజి
కౌముది, తారానివహంబులర్పిత సుమంబుల్ గా, దమోదూర
సౌఖ్యదమై శీతగభస్తిబింబ శివలింగం బొప్పె బ్రాచీదిశన్

లేదా

శ్రీ రంజిల్ల బసిండి పెండ్లి చవికం జేరంగ నవ్వేళగ
న్యా రత్నంబును దోడి తెచ్చిరి, జనానందంబుగా బాడుచున్
బేరంటాం డ్రురు మంత్రవర్ణపఠనాప్తిన్ గర్గుడున్ దేవతా
పౌరోహిత్య దురంధరుండు శుభమొప్పన్ మ్రోలనేతేరగన్

II. ఈ క్రింది వానిలో **అ భాగము** నుండి రెండింటికి **ఆ భాగము** నుండి రెండింటికి సందర్భసహిత వ్యాఖ్యలు వ్రాయుము 4X3=12 మా

అ - భాగము

1.రాలు కపర్ధికి బెట్ట జూతురె
2.రాత్రి శివరాత్రిగా జాగరము జేసె
3.ఒడలెల్ల గన్నులుగ జూచిరి
4.వదినె గారని యొక కొంత వానినెఱపె

ఆ - భాగము

1.సత్యవాక్యం బెవండుల్లంఘింపడో వాడెపో నరుడు
2.పట్టి చంపుడని యాజ్ఞాపించె నుద్దండతన్
3.విశ్వవిఖ్యాతిగంటివి వృక్షరాజ
4.నీవు నిజముగ ప్రత్యక్ష దైవతమవు

1. శివపూజలో పాము ఏనుగులు పూనిన వైరమెట్టిది ? 1X10=10 మా

లేదా

సుభద్రాపరిణయ వృత్తాంతమును వివరింపుము

[P.T.O]

2. జాషువా పిరదౌసి లేఖ సారాంశమును వ్రాయండి 1X10=10 మా

లేదా

చెట్టు గొప్పతనాన్ని గెడ్డాపు సత్యం వర్ణించిన తీరు తెలపండి

3. అమ్మకు ఆదివారం లేదా? కథాంశాన్ని వివరించండి 1X10=10 మా

లేదా

గాలివాన కథలోని రావుగారి పాత్రను వివరించండి

4. బతుకాట నామ సార్థక్యమును తెలుపండి 1X10=10 మా

లేదా

సిద్దోజి పాత్రను వర్ణించండి

పార్ట్ - బి

5. ఈ క్రింది వానిలో ఏవేని **మూడు** ప్రశ్నలకు లఘురూప సమాధానములు వ్రాయుము. 3X5=15 మా

1. సుభద్రను అత్తవారింటికి సాగనంపిన తీరు.
2. సూర్యాస్తమయమును ధూర్జటి వర్ణించిన విధము.
3. అన్నపూర్ణమ్మ, జగన్నాథం దంపతుల గురించి తెలుపండి.
4. గజ్జెపూజను వివరించండి .
5. బతుకాట నవలలోని సాంఘిక పరిస్థితులు తెలపండి.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I Degree (All Groups)	Max Marks	: 75
Subject	: Hindi	Pass Mark	: 30
Title of Paper	: General Hindi	Duration	: 3 Hrs
Paper Code	: R20HIN201	Time	: 9am - 12noon
W.E.F	: 2022-23	Date	: 06-05-2024

I. किन्हीं **दो** सन्दर्भ सहित वाक्यों को लिखिए। 2×10=20

1. मैं ने कहा .... मैंने कहा, कैद करने के बाद यह जुल्म? मनुष्यता से रहना सीखो, खुदा के बन्दों! जान से मार डालो, पर एक राजा की इज्जत रहने दो।
2. सत्व-गुण के समुद्र में जिनका अंतःकरण निमग्न हो गये वे ही महात्मा, साधु और वीर हैं।
3. भाषा-भेद की समस्या जरा कठिन है और उसका हल तभी निकलेगा जब हिंदी भाषी क्षेत्र में अहिन्दी भाषाओं तथा अहिन्दी भाषा क्षेत्रों में हिंदी भाषा का प्रचार हो जाए।
4. चंद, तुम प्राणहीन होकर मेरे पास आए हो। जानते हो, वीरों के प्राण का नाम है, तलवार!
5. ऐसी दैवी वीर रूपया, पैसा, माल, धन का दान नहीं दिया करते। जब वे दान देने की इच्छा करते हैं, तब अपने आप को हवन कर देते हैं।

II. किसी **एक** पाठ का सारांश विशेषताओं सहित लिखिए। 1×15=15

1. भारत एक है। 2. सच्ची वीरता।

III. किसी **एक** कहानी का सारांश विशेषताओं सहित लिखिए। 1×15=15

1. भूख हड़ताल। 2. मैं हार गई।

IV. A) किन्हीं **पांच** शब्दों का संधिविच्छेद कीजिए। 5×1=5

1. सूक्ति 2. चन्द्रोदय 3. अत्यल्प 4. पवन
5. पित्राज्ञा 6. प्रत्येक 7. यद्यपि 8. कवीश्वर

B) किन्हीं **पाँच** शब्दों के समास विग्रह के नाम लिखिए। 5×1=5

1. प्रतिपल 2. स्वर्गप्राप्त 3. चितचोर 4. तुलसीकृत
5. युद्धभूमि 6. धनहीन 7. राजमाता 8. राम-लक्ष्मण

C) किन्हीं **पाँच** कार्यालयीन शब्दों को हिंदी से अंग्रेजी में अनुवाद कीजिए। 5×1=5

1. स्पष्टीकरण 2. घोषणापत्र 3. विधिवत 4. समयोपरि
5. कार्यान्वयन 6. आहरण अधिकारी 7. कोषाध्यक्ष 8. प्राधीकृत

[P.T.O]

V. नगर पालिका के अधिकारी के नाम एक शिकायती पत्र लिखिए। 10×1=10

अथवा

आचार्य की नौकरी केलिए किसी कॉलेज के प्रिन्सिपल के नाम एक आवेदन पत्र लिखिए।

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I Degree (All Groups)	Max Marks	: 60
Subject	: Hindi	Pass Mark	: 24
Title of Paper	: General Hindi	Duration	: 3 Hrs
Paper Code	: R23HIN201	Time	: 9am - 12noon
W.E.F	: 2023-24	Date	: 06-05-2024

SECTION-A

I. निम्न लिखित प्रश्नोंमें से किन्ही पांच प्रश्नों का उत्तर दीजिये। 5 X 4 = 20 M

1. दोहे का पूर्ति कीजिए।

   जब में था तब _____ न समाहि।

2. किन्ही एक कविता का जीवन परिचय दीजिए।

   (a) भारतेन्दु हरिशन्द्र (b) रहीम

3. भिक्षुक कविता की विशेषतायें लिखिए।
4. परिपत्र की परिभाषा लिखिए।
5. अनुवाद किसे कहते है
6. व्याख्या कीजिए

   तुलसी संत सुअम्ब - तरू पुली फलाही पर हेत।
   इतते ये पाहन हनत, उतते वे फल देत।।

7. व्याख्या कीजिए

   खीर सर से काटिए, मलियत नमक बनाय।
   रहिमन करुए मुखन को, चहियत इहै सजाय।।

8. व्याख्या कीजिए

   उन्नत पूरी है तबही जब घर उन्नति होये।
   निज शरीर उन्नति किए, रहत मूढ़ सन होय।।
   निज भाषा उन्नति बिना कबहुँ न हो है सोय
   लाख उपाय अनेक यो भले करो किन कोय।।

[P.T.O]

SECTION-B

(Essay Questions) **5 X 8 =40M**

9. किसी एक कविता का सारांश लिखिए।
   1. [illegible] 2. मादा भ्रूण
10. किसी एक निभांध पर प्रकाश डालिये
    1. विज्ञानं - वरदान या अभिशाप
    2. विद्यार्धी और अनुशासन
11. किसी एक अंश पर टिम्पणी लिखिए
    1. ज्ञापना की परिभाषा देते हुए नमूने का ज्ञापन लिखिए।
    2. आधि सूचना का प्रारूप तैयार कीजिए
12. हिंदी में अनुवाद कीजिए
    1. Peacock is beautiful bird
    2. Don't tell lies
    3. Then pen is on the table
    4. Service to man is service to god

(अथवा)

अंग्रेजी में अनुवाद कीजिए

1. मेरा नाम मोहन है
2. वह जा रहा है
3. राम ने रावण को मारा
4. सम्मान दीजिए सम्मान लीजिये।

13. निम्न लिखित अवतरण का एक तिहाई में संभे कीजिए।

भारत वर्ष अत्यंत प्राचीनकाल में एक भौगोलिक इकाई रहा है। यद्यपि इस देश के विभिन्न भागों में अलग अलग शासकों ने शासन किया और छोटे - छोटे राज्यों में यह बाँट रहा, किंतु इतिहास हमें बताता है की प्रत्येक युग में भारत एक सामान्य संस्कृति का देश रहा है। यहाँ के निवासी एक समय भावना से बांधे रहे है। यही कारण है की भारतीय संस्कृति इतनी भावना से भान्धे रहे है। यही कारण है की भारतीय संस्कृति इतनी पुष्ट है जो विदेशियों के निरंतर आक्रमणों और अनेक शासन के तमनाम प्रयत्नों के बावजूद नस्ट रही हो पायी। टुकड़ों में बाँट हुआ होम पर भी यह देश परस्पर बाँधकर एक इकाई बना रहा , यह साधारण बात नहीं है।

Room No: _____ **Regd No:** _____

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS

II – SEMESTER END EXAMINATIONS

Class	: I B.Sc Honours (All)	Max Marks	: 50
Subject	: Commerce	Pass Mark	: 20
Title of Paper	: Marketing Skills	Duration	: 2 Hrs
Paper Code	: R23SDPA202	Time	: 9am – 11am
W.E.F	: 2023-24	Date	: 02.05.2024

SECTION-A

I. Answer any FOUR of the following Questions **4X5=20M**

1. Define Marketing Research?

2. What is Market Segmentation?

3. What are the factors influencing consumer buying behaviour?

4. Define Product?

5. What is Branding?

6. Social Media Marketing.

7 Negotiation

8. Communication Skills of a Salesperson.

SECTION-B

II. Answer any THREE of the following Questions **3X10=30M**

9. What are the major components of external environment of marketing?

10. What is the core marketing concepts in Marketing?

11. What are the various stages of new product development? Explain each of them.

12. Explain in detail about the PLC stages.

13. Define Selling, Explain the Nature and role of Selling.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.Com, B.Sc, BBA, B.Voc	Max Marks	: 50
Subject	: Foundation Course	Pass Mark	: 20
Title of Paper	: Indian Culture And Science	Duration	: 2 Hrs
Paper Code	: R20LSC202	Time	: 9am - 11am
W.E.F	: 2020-21	Date	: 01.05.2024

SECTION-A

I. Answer any FOUR of the following Questions **4X5=20M**

1. Buddhism.

2. Sufi Movement.

3. Mahatma Gandhi.

4. Swami Vivekananda.

5. Dr. B.R.Ambedkar.

6. Online education.

7. Space Technology.

8. Importance of Seasonal Festivals.

SECTION-B

II. Answer any THREE of the following Questions **3X10=30M**

9. Write about co-existence of various religions since ancient times.

10. Write an essay on Bhakthi Movement in India.

11. Explain the reforms of Kandukuri Veeresalingam.

12. Explain the socio-Religious reforms of Raja Ram Mohan Roy.

13. Discuss the development of Industry in India.

14. Describe the development of Medicine in Independent India.

Regd No:_____ Room No: 24

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II SEMESTER END EXAMINATIONS

Class	: I Degree (All Groups)	Max Marks	: 50
Subject	: Foundation Course	Pass Mark	: 20
Title of Paper	: Environmental Studies	Duration	: 2 Hrs
Paper Code	: CBES201B	Paper Time	: 9am-11 am
W.E.F	: 2019-20	Date	: 02.05.24

SECTION – A

I. Answer any FOUR Of the following questions. **4X5=20M**

1. Carbon Trading.
2. Ecological Pyramids.
3. Ecosystem.
4. Soil erosion.
5. Biosphere.
6. Industrial Waste.
7. Swacha Bharat.
8. Sustainable Development.

SECTION – B

II. Answer any THREE Of the following questions. **3X10=30M**

9. Explain about Food Chain and Food Web with examples.

(OR)

10 What is Climate Change? And explain effect of climate change.

11 How energy flow's with in the Ecosystem?

(OR)

12 Explain the uses and over exploitation of Forest Resources.

13 Explain about causes effects, and control measures of Air pollution.

(OR)

14 Enumerate the acts in force relating to the protection of environment in the country.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.Com , BBA , BCA , BA , B.Voc , B.Sc	Max Marks	: 50
Subject	: Computer Science	Pass Mark	: 20
Title of Paper	: Digital Literacy	Duration	: 2 Hrs
Paper Code	: R23SDP201	Time	: 9am-11am
W.E.F	: 2023-24	Date	: 01.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. How you will edit a document?

2. What are the components of MS-Word?

3. How to create a folder / Sub folder on hard disk and desktop?

4. What are parts of Excel window?

5. What is meant by Reference? Explain about types of Reference?

6. Write about Working with graphics in Power Point?

7. What is part of Parts of Power point window?

8. Explain data sorting in Excel.

SECTION-B

II. Answer ALL the following Questions **3X10=30M**

9. Explain job search through employment portals?

(OR)

10. Explain about Mail Merge and its uses.

11. Explain different types of charts?

(OR)

12. Explain different types of functions in Excel?

13. Explain presentation management?

(OR)

14. Explain Auto Content Wizard in Power Point?

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.Còm, BBA, BCA, B.Voc & B.A Honours	Max Marks	: 50
Subject	: English	Pass Mark	: 20
Title of Paper	: Business Writing	Duration	: 2Hrs
Paper Code	: R23SDPB202	Time	: 9am - 11am
W.E.F	: 2023-24	Date	: 02.05.2024

SECTION-A

I. Answer any FOUR of the following Questions : 4X5=20M

1. What is business communication?

2. What is e-mail etiquette?

3. What are announcements?

4. What are request memos?

5. What is Formal report writing?

6. What is meant by digital business writing?

SECTION-B

II. Answer any THREE of the following Questions: 3X10=30M

7. What are the eight essential elements of communication?

8. Explain the do's and don'ts of e-mails.

9. What are the techniques followed while responding to inquiries and complaints effectively?

10. Write about the format and structure of Memos.

11. What is the role of social media and online communication in business writing?

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.Com(General,TP,Computers)	Max Marks	: 60
Subject	: Commerce	Pass Mark	: 24
Title of Paper	: Financial Accounting	Duration	: 3Hrs
Paper Code	: R23COM201	Time	: 9am-12noon
W.E.F	: 2023-24	Date	: 07-05-2024

SECTION-A

I. Answer ALL the following Questions **5X12=60M**

1. What is double entry system. Explain its advantages.

(OR)

2. Jaya is a sole proprietor having a provisions store. Following are the transactions during the month of January, 2018. Journalise them.

January	Rs.
1 Commenced business with cash	80,000
2 Deposited cash with bank	40,000
3 Purchased goods by paying cash	5,000
4 Purchased goods from Lipton & Co. on credit	10,000
5 Sold goods to Joy and received cash	11,000
6 Paid salaries by cash	5,000
7 Paid Lipton & Co. by cheque for the purchases made on 4th Jan.	4,000
8 Bought furniture by cash	1,000
9 Paid electricity charges by cash	300
10 Bank paid insurance premium on furniture as per standing instructions	

3. Distinguish between capital expenditure and revenue expenditure.

(OR)

4. The following balances were extracted from the books of Thomas as on 31st March, 2018

Particulars	Amount	Particulars	Amount
Purchases	75000	Capital	60000
Returns inward	2000	Creditors	30000
Opening stock	10000	Sales	120000
Freight	4000	Returns outwards	1000
Wages	2000		
Investment	10000		
Bank charges	1000		
Land	30000		
Machinery	30000		
Building	25000		
Cash in hand	4000		
Cash at bank	18000		

Additional information:

i. Closing stock Rs. 9,000

[P.T.O]

ii. Provide depreciation @ 10% on machinery

iii. Interest accrued on investment Rs. 2,000

Prepare trading account, profit and loss account and balance sheet.

5. Define depreciation. Explain its need and objectives.

(OR)

6. On 1st January 2020 a machine was purchased for Rs. 30000. On 1st April 2021 another machine was purchased and installed for Rs. 20000. On 31st December half of the first machine was sold vfor Rs.3,800. Depreciation was charged at 10% per annum on diminishing balance method. Prepare machinery account for the year ended 31st December 2023.

7. What is consignment. Explain its features.

(OR)

8. The Swastik Oil Mills, Mumbai consigned 5,000 kg. of castor oil to Dass of Kolkata on 1st January, 2012. The cost of the oil was Rs 460 per kg. The Swastik Oil Mills paid Rs 2,00,000 for packing, freight and insurance. During transit 125 kg. were accidentally destroyed for which the insurers paid, directly to the consignors, Rs 45,000 in full settlement of the claim.

Dass took delivery of the consignment on the 10th January. On 31st March, 2012 Dass reported that 3,750 kg. were sold at Rs 600, the expenses being on godown rent Rs 30,000, on advertisement Rs 40,000 and on salesmen's salaries Rs 64,000. Dass is entitled to a commission of 3 per cent plus 1½ per cent del credere. A party which had bought 500 kg. was able to pay only 80% of the amount due from it.

Dass reported a loss of 50 kg, due to leakage. Assuming that Dass paid the amount due by bank draft, show the accounts in the books of both the parties. Books of accounts are closed by the parties on 31st March.

9. Define joint venture . Explain its features and advantages.

(OR)

10. Ali of Lahore and Bilal of Karachi entered into joint venture for the sale of a consignment of goods at March 2018, profit and losses to be shared equally. Ali paid Rs. 10,000 for goods purchases and consigned to Bilal for Sale. He paid Rs. 400 for freight, Rs. 350 for brokerage and Rs. 100 for sundry expenses. Bilal received these goods and paid Rs. 600 for octri, Rs. 200 for warehouse and Rs. 90 for insurance. He sold the whole consignment for Rs. 16,000. Pass Journal entries in the books of Bilal.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.Com(GEN,TP,COMP,LOG)	Max Marks	: 75
Subject	: Commerce	Pass Mark	: 30
Title of Paper	: Financial Accounting	Duration	: 3 Hrs
Paper Code	: R20COM201	Time	: 9am - 12noon
W.E.F	: 2023-24	Date	: 07-05-2024

SECTION-A

I. Answer any FIVE of the following Questions **5X5=25M**

1. What are the Objectives of Depreciation ?
2. Explain the meaning of Reserves and provisions
3. Write about repairs and renewals
4. Explain different methods of Depreciation
5. What is Del credere commission
6. What is the accounting treatment for renewal of a bill
7. Write about account sales
8. Explain the features of Joint Venture

SECTION-B

II. Answer ALL the following Questions **5X10=50M**

9. Explain the causes for providing depreciation

(OR)

10. Manohar purchased a machinery for his business at Rs. 1,00,000 on 1-1-2015. Assuming annual depreciation is 10%,show Machinery Account for 5 years under Fixed Instalment Method

11. Distinguish between Provision and Reserve

(OR)

12. from the following figures,you are required to show

(a) Provision for Doubtful Debts Account

(b) Bad Debts Account

(c) Profit and loss Account

	Rs.
Provision for doubtful debts 1-4-2003	1000
Provision for doubtful debts 31-3-2004	2000
Bad debts written off in 2003-2004	1200

[P.T.O]

13. Explain the Features of a Bills of Exchange.

(OR)

14. On 1st January,2015 'A' Sold goods to 'B' for RS.12,000 and drew a bill on 'B' for 4months 'B' accepted the bill. Finally the bill honored on the due date.

15. Explain the difference between consignment and sale

(OR)

16. Anand sends out a consignment of the value of Rs. 5000 to Balan drawing on the latter for Rs. 4000 as an advance against the same. Anand also pays Rs.50 for freight. Balan clears the goods by paying Rs.250 for port duty etc. Balan sells the whole lot for Rs.8500, his remuneration being 5% on gross sales. Balan sends out account sales an draft to Anand for the balance.Prepare Consignment Account and Balan Account.

17. Write the differences between Consignment and joint venture.

(OR)

18. Das and Babji enter into a joint venture sharing Profits and losses in the ratio of 3:2 respectively. Das is to purchase textiles and Babji to sell. Das Purchases textiles Worth Rs.100000 and pays Rs.10000 as expenses. Babji sold the entire stock of textiles for Rs.160000. In doing so he had to pay Rs.20000 for various expenses.Give ledger accounts in the books of Das.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS

II – SEMESTER END EXAMINATIONS

Class	: I B.Com (Gen)	Max Marks	: 60
Subject	: Commerce	Pass Mark	: 24
Title of Paper	: Business Management	Duration	: 3 Hrs
Paper Code	: R23COM202	Time	: 9am-12noon
W.E.F	: 2023-24	Date	: 08.05.2024

SECTION-A

I. Answer ALL the following Questions **5X12=60M**

1. Define Management? Explain its nature and Significance?

(OR)

2. Explain the Functions of Management?

3. Explain the Various Steps in Planning Process?

(OR)

4. What is Decisions Making? Explain the Process?

5. What is delegation of authority? Explain the Process of Delegation?

(OR)

6. Explain differences between Centralization and Decentralization?

7. Explain Theories of Motivation?

(OR)

8. Define Leadership? Explain its Styles?

9. Explain the Nature and Importance of Controlling?

(OR)

10. Discuss the Merits and Demerits of Controlling?

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.COM(GEN)	Max Marks	: 60
Subject	: Computer Science	Pass Mark	: 24
Title of Paper	: Web Designing	Duration	: 3 Hrs
Paper Code	: R23MCS203	Time	: 9am-12noon
W.E.F	: 2023-24	Date	: 09.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Explain about WWW.

2. Explain about HTML Elements.

3. Explain about the multimedia objects.

4. Explain marquee and font lags with example.

5. Write about text area tag.

6. Explain Z-index.

7. Explain pseudo class.

8. Write about i frame.

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Explain different types of web browsers.

(OR)

10. Explain the different formatting tags with examples.

11. What is List? Explain different types of lists.

(OR)

12. Explain about the Hyperlinks.

13. Explain about the HTML from input elements.

(OR)

14. How to working with frames? Explain.

15. What is CSS? Explain different types of CSS.

(OR)

16. Explain different types of selectors with example.

17. Explain about CSS Advanced techniques.

(OR)

18. Explain about the font, margine, background properties.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.Com(TP)	Max Marks	: 60
Subject	: Commerce	Pass Mark	: 24
Title of Paper	: Income Tax-I	Duration	: 3Hrs
Paper Code	: R23COMT202	Time	: 9am – 12noon
W.E.F	: 2023-24	Date	: 08.05.2024

SECTION-A

I. Answer ALL the following Questions **5X12=60M**

1. What is tax and explain its objectives.

(OR)

2. Write about assessment year& previous year

3. Write about list of exempted incomes from tax u/s 10.

(OR)

4. Explain classifications of incomes.

5. Write about incidence of tax.

(OR)

6. The following are the particulars of Income of Mr Pranav for the previous year 2020-2021. Compute his gross total income on different residential status.

Particulars	Rs.
Rent from a property in Delhi received in USA	80,000
Income from a business in USA controlled from Delhi	1,20,000
Income from a business in Bangalore controlled from USA	1,80,000
Rent from a property in USA received there but subsequently remitted to India	60,000
Interest from deposits with an Indian company received in USA	20,000
Profit for the year previous years of a business in USA remitted to India during this year (not taxed earlier)	75,000
Gifts received from his parents	45,000

7. What is allowance and write about various types of allowances

(OR)

8. Mr. Karthik is employed in Bangalore, His particulars of income for the P.Y.2020-21 are basic salary 8,000 per month, DA 2,000 per month (40% enter into all retirement benefits).

[P.T.O]

Bonus 4,000 p.a. Commision 8,500 p.a., E,A, 500 per month, Fair Rental Value of Rent Free house provided by the employer 40,000 p.a. Value of furniture provided 20,000. Its WDV as on 01-04-2020 5,000. Compute income from salary of Mr. Prakash for the A.Y. 2023-24

9. Explain different types of rents in house property.

(OR)

10. Following are the particulars of house properties of Mr.Pavan for the previous year 2008-09:

Particulars	House-A	House-B
Construction started on	31.3.1992	10.2.1988
Constructed completed on	31.3.1993	1.6.1992
Annual rental value	30,000	12,000
Municipal valuation	25,000	12,000
Municipal tax	2,500	1,200
Annual repairing expenses	2,000	2,000
Interest on money borrowed for Renovation of the building	1,200	-
Insurance premium	200	175
Ground rent	150	100
House property was vacant for (months)	3	-
Rent collection charges	1,000	600

Both the above houses were let out for residential purposes insurance premium of House-A and ground rent of House-B are still outstanding. Repair expenses of House-A and municipal tax of House-B was paid by the tenants. Compute the income from house party.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.Com (TP)	Max Marks	: 75
Subject	: Commerce	Pass Mark	: 30
Title of Paper	: Income Tax	Duration	: 3 Hrs
Paper Code	: R20COMT203	Time	: 9am-12noon
W.E.F	: 2020-21	Date	: 09.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X5=25M**

1. Meaning of Business and Profession

2. Types of capital assets

3. Indexed cost of acquisition

4. Specific incomes

5. Clubbing of incomes

6. Set off and carryforward of losses

7. Deductions u/s 80C

8. Tax rates applicable to an individual for the A.Y 2023-24

SECTION-B

II. Answer ALL the following Questions **5X10=50M**

9. Define Depreciation. Explain the rules regarding claiming of depreciation

(OR)

10. The following is the P&L A/c of Mr.Ranjith for the year ending 31st March 2023

Particulars	₹	Particulars	₹
To Salaries	1,65,000	By Gross Profit	2,50,000
To office expenses	18,000	By Bad debts recovered	10,000
To Depreciation	14,000	By Dividend	3,000
To GST	9,000	By Commission	10,000
To Legal expenses	8,000	By Rent of house property	9,000
To Income Tax	7,000	By Brokerage	10,000
To Patents purchased (1/8th)	12,000	By Sundry Receipts	5,000
To Donation	2,000	By share of income from HUF	3,000
To provision for bad debts	3,000		
To General expenses	12,000		
To Net Profit	44,000		
	3,00,000		**3,00,000**

11. Explain the exemptions u/s 54

(OR)

12. Mr. Ramanand inherited 20 acres of agricultural land in urban limits from his father during 1979. The FMV on 1-4-2001 was ₹38,000 per acre. He made improvements during the P.Y 2005-06 at cost of ₹3,000 per acre(CII- 117)

On 17-8-2022 he sold 10 acres at ₹12,50,000 per acre and expenditure on transfer was 4% . He made the following appropriations.

[P.T.O]

a) Purchased another 10 acres of agricultural land at ₹1,90,000 per acre.

b) Purchased residential house for ₹24,00,000

c) Paid ₹9,00,000 for a bank loan taken for private use

d) Compute taxable capital gain

e) (CII 2001-02=100, 2005-06=117, 2022-23=331)

13. Explain the incomes which are taxable under the Income from other sources

(OR)

14. From the following incomes of Mr. Lingaraj (resident) for the year ended 31-3-23, compute income from other sources.

i) Director's fes	₹10,000
ii) Interest on bank deposits	₹3,000
iii) Income from undisclosed sources	₹12,000
iv) winning from lotteries (Net)	₹28,000
v) Royalty on book written	₹8,000
vi) Income from lectures delivered	₹5,000
vii) Interest on loan given to a relative	₹7,000
viii) Interest on tax free debentures of a company (Net)	₹3,600
ix) Dividend from cooperative society	₹8,000
x) Interest on SBI SB A/c	₹500
xi) Interest on central government securities	₹2,200

He paid ₹1,000 for typing the manual script of the book

15. What are the provisions of Law regarding to clubbing of incomes or aggregation of income?

(OR)

16. What are the provisions of Income tax Act, 1961 regarding carryforward and set off losses

17. Explain the deductions u/s 80c 80u

(OR)

18. Sri Ram has developed an improved model of a car and got it patented on 31-3-2023 under the patent Act, 1970. He allowed AB LTD, to use his patent rights and licenses has been granted to it under the patent Act , 1970. He has received a royalty of ₹12,00,000 during the P.Y 2022-23 However the royalty in accordance with the terms and conditions of the license settled by the controllers under the said act is ₹5,00,000. He has incurred ₹3,00,000 expenses in developing his invention and getting it patented.

Compute his total income for the A.Y. 2023-24, if he is a resident in India and his business income is ₹5,00,000

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.Com (Gen, TP, Comp, Log) BBA & BCA	Max Marks	: 50
Subject	: Commerce	Pass Mark	: 20
Title of Paper	: Advertising	Duration	: 2 Hrs
Paper Code	: R20SDC203B	Time	: 9am – 11am
W.E.F	: 2020-21	Date	: 03.05.2024

SECTION-A

I. Answer any FOUR of the following Questions **4X5=20M**

1. Types of Advertising.

2. Explain advantages and disadvantages of advertising.

3. Role of Advertising and their responsibilities.

4. Ethical issues in Advertising.

5. Explain about Business promotion.

6. Role of ASCI.

7. Feed back on impact of Advertisement.

8. Creative advertising Messages.

SECTION-B

II. Answer any THREE of the following Questions **3X10=30M**

9. Explain the functions of advertising.

10. What are the factors determining opportunities of a product /service Idea.

11. Explain the role of AAAI.

12. Explain about the basic characteristics of a typical advertisement.

13. Explain in briefly about reaching target groups for Advertising.

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Room No: _____ **Regd No:** _____

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.Com (Gen , TP, Log , Comp)	Max Marks	: 75
Subject	: Commerce	Pass Mark	: 30
Title of Paper	: Business Economics	Duration	: 3 Hrs
Paper Code	: R20COM202	Time	: 9am-12noon
W.E.F	: 2020-21	Date	: 08.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X5=25M**

1. Macro Economics
2. Break even point
3. Concept of Demand
4. Price Elasticity of Demand
5. Total outlay Method
6. Marginal cost
7. Demand functions
8. Explain the limitations of micro economics.

SECTION-B

II. Answer ALL the following Questions **5X10=50M**

9 What is Business Economics? Explain Nature and Scope of Business Economics.

(OR)

10 What is Micro economics? Explain the scope of Micro economics.

11 what is elasticity of demand? Explain how it is measured.

(OR)

12 Explain Price elasticity of demand and methods measurements of price elasticity of demand.

13 Explain production cost and revenue analysis. Explain the concept of production function.

(OR)

14 What is law of return to scale? Explain the different types of return to scale.

15 What is perfect competition? Explain its characteristics.

(OR)

16 Explain the concept of kinked Demand curve.

17 What is National Income? Explain the basic concepts of national income.

(OR)

18 What is National Income? Explain the measurements of national income.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.Com (Gen, TP, Comp, Log) BBA & BCA	Max Marks	: 50
Subject	: Commerce	Pass Mark	: 20
Title of Paper	: Agriculture Marketing	Duration	: 2 Hrs
Paper Code	: R20SDC202B	Time	: 9am – 11am
W.E.F	: 2022-23	Date	: 02.05.2024

SECTION-A

I. Answer any FOUR of the following Questions **4X5=20M**

1. Money lenders.

2. Movement of products from farm to consumers.

3. Functioning of market yards.

4. Market information.

5. Selection of target market.

6. Assembling and grading.

7. Government Apps for agricultural marketing.

8. Any Top 5 Agricultural products grown in India.

SECTION-B

II. Answer any THREE of the following Questions **3X10=30M**

9. Explain various types of agricultural markets.

10. Explain the role of marketing in Agriculture.

11. Explain in detail about Rythu Borasa Kendras (RBK).

12. Write the Government Policies and regulations in regarding to Agricultural Markets.

13. What are the Government programmes in support to agricultural market in India.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.Com (Gen, TP, Comp & Log)	Max Marks	: 60
Subject	: Commerce	Pass Mark	: 24
Title of Paper	: Financial Accounting	Duration	: 3 Hrs
Paper Code	: R20COM201A	Time	: 9am-12noon
W.E.F	: 2022-23	Date	: 07.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. What are the causes for Depreciation?
2. Explain about Provisions for Repairs and Renewals
3. What is Joint Venture?
4. Explain the features of Consignment.
5. What is Delecredere Commission?
6. Explain the features of Bills of Exchange.
7. Write about Account Sale.
8. Explain about types of Reserves.

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Explain the methods of Depreciation.

(OR)

10. Ram & Co acquired machine for Rs.50,000 on 1st April 2015 and Spent Rs.10,000 for erection. The life of the machine was estimated at 10 years. The scrap value of the machine is Rs.2,000. Assuming that the accounting year ends with Dec.31st every year. Show the Machine Account for 4 years.

11. Distinguish between Provisions and Reserves

(OR)

12. The following particulars are extracted from the records of Sunil & Co. Ltd. for the year ending 31 – 12 – 17 to 31 – 12 – 19:

	31 – 12 – 17	31 – 12 – 18	31 – 12 - 19
Sundry debtors	Rs. 1,00,000	3,00,000	2,00,000
Bad debts	Rs. ---	8,000	3,000
% of doubtful debts provision	5%	5%	5%

Prepare the Bad debts account and Doubtful debts provision account.

13. Explain the differences between Bills of Exchange and Promisary Note.

(OR)

14. Prakash draws a bill for Rs.2,000 on Viswam for four months. Show what entries should be passed in the books of Prakash under each of the following circumstances.
    (i) If Prakash retained the bill till due date and then realized it on maturity.
    (ii) If he discounted the bill with his bankers for Rs. 1,950
    (iii) If he endorsed it to his creditor Solanki in settlement of his debt.
    (iv) If he sent it to his bankers for collection.

[P.T.O]

15. Explain the differences between Consignment and Sale.

(OR)

16. Raghu & co. of Delhi consigned 200 radios to Balu of Calcutta. The cost of each radio was Rs.400. Radio house paid Rs.5,000 for freight and insurance. Balu accepted a 3 months bill drawn upon by Raghu & co, for Rs.50,000. Balu paid Rs.2,200 as rent and Rs.1,300 for advertisement. Balu sold 180 Radios at Rs.500 each. Balu were entitled to a commission of 5% on sales.

Prepare necessary ledger accounts in the books of Raghu & co,.

17. Write the differences between Consignment and Joint Venture.

(OR)

18. Ramesh and Suresh entered into a Joint Venture sharing profits and losses in the ratio 3:2 respectively. Ramesh supplied goods for Rs.7,500 and spent Rs.500 for expenses. Suresh supplied goods for 6,000 and spent Rs.400 for expenses. Suresh sells goods on behalf of joint venture Rs.18,000 and charged 5% commission on sales. Suresh settles his account by bank draft. Show Joint venture account in the books of Ramesh.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class : I B.Com(Gen, TP, Comp & Log)
Subject : Commerce
Title of Paper : Financial Accounting - II
Paper Code : CBFA201A
W.E.F : 2022-23

Max Marks : 75
Pass Mark : 30
Duration : 3Hrs
Time : 9am-12noon
Date : 07.05.2024

SECTION-A

5X5=25M

I. Answer any FIVE of the following Questions

1. What is manufacturing account ?
2. Features of final account.
3. Explain the account sales and Proforma invoice.
4. What is difference between consignment and sale?
5. What is difference between consignment and joint venture?
6. Explain the causes of Depreciation.
7. Explain the Diminishing method.
8. Explain about provisions and reserves

SECTION-B

5X10=50M

II. Answer ALL the following Questions

9. From the following Trial Balance of krishang, prepare Trading and Profit & Loss Account for the year ending 31st March 2023 and Balance sheet as on that date.

Particulars	Debit	Credit
Buildings	50,000	
Capital		96,000
Purchases & sales	15,000	40,450
Opening stock	8,000	
Debtors &Creditors	10,000	5,000
Drawings	3,500	
Sales Returns & Purchase Returns	1,000	500
Freight	3,250	
Office salaries	10,000	
Wages	1,200	
Postage & Telegrams	1,000	
Machinery	20,000	
Bills Receivable &Bills Payable	9,000	3,000
Advertisement	4,000	
Cash in Hand	5,000	
Loose Tools	4,000	
	1,44,950	1,44,950

Adjustments:

1.closing stock was valued at Rs 10,000
2.Depreciate Building by 5% and Loose Tools are revalued at Rs.3,500
3.interest on capital is at 5% and on Drawings is at 10%.

(OR)

[P.T.O]

10. The following Trial Balance is extracted from the books of sri on march 31 ,2023.

particulars	Debit	Credit
Salaries	35,000	
General Expenses	7,000	
Taxes and Insurance	8,000	
Sundry Debtors	25,000	
Stock	46,000	
Purchases	60,000	
Wages	4,000	
Sales		1,50,000
Bank overdraft		17,000
Commission		3,500
Advertising	9,000	
Interest	2,000	
Furniture	60,000	
Building	60,000	
Motor Vehicles	80,000	
Capital		1,25,000
Bad Debts	2,000	
Provision for Doubtful Debts		2,500
Loan		60,000
Sundry Creditors		40,000
	3,98,000	3,98,000

Adjustments:

1.stock on hand on march 31,2022 was estimate to be RS.40,000
2.Depreciate: Building @ 6% and motor vehicles @ 10%
3.Rs.1,500 is due for interest on loan
4. write off further Rs.1000 as Bad Debts and provision for Bad debts is to be made equal to 6% on sundry Debtors.

You are required to prepare Trading and Profit &Loss Account ,Balance sheet as on that date.

11. pradeep of Chennai consigned 300 bales of cloth at Rs.20,000 per bale to pramod of Hyderabad paying freight Rs.40,000 and other expenses Rs.20,000.pramod sold 250 bales at Rs.25,000 per bale on credit and 25 bales at Rs.22,000 per bale for cash. Pramod spent for freight and Octroi Rs.30,000 and other expenses Rs 10,000.pramod remitted the amount due to pradeep after deducting his normal commission at 5%, 2.5% overriding commission and 0.5% Del-credere commission .pramod found that one customer to whom credit of 40 days was allowed paid only Rs.48,000 out of the total amount due from him Rs.50,000 in full settlement of the account.other customers paid the amount on due date. prepare ledger accounts in the books of both the parties.

(OR)

12. Mr. X consigned 1,000 kgs vegetables costing Rs.15,000 to Mr.Y. Expenses incurred were Rs.4,000. Loss due to normal deterioration was 10 kgs and 810 were sold by Mr.Y.at Rs.30 per kg .Ascertain the cost of the Unsold stock at the end and show the necessary ledger accounts in the books of Mr.X assuming that the expenses and commission of Mr.Y amounted to Rs.3000 and a Bank Draft was enclosed for the balance amount due.

[CONTINUED TO NEXT PAGE]

13. padma bought goods of value Rs.15,000 and consigned them to Krishang on a joint venture profits being divisible equally. On the same day, she paid carriage Rs.900 and drew a bill on krishang for Rs.6000 and discounted the bill for Rs.5,880. On receipt of the goods, krishang paid carriage of Rs.300 and insurance Rs.400. prama received an account sales showing that the goods had realized gross Rs.25,500. Prepare the necessary Ledger accounts showing the results of the joint venture in the books of both the parties assuming that the final settlement was made.

(OR)

14. A and B entered into a joint venture contributing Rs.10,000 and Rs.8,000 respectively and sharing profits and losses in the ratio of 3:4. The purchases are Rs.16,000 and the sales amounted to Rs.20,000. The remaining stock is taken over by B for Rs.1,000. Expenses paid are Rs.800. A drew from the venture Rs.4,000. Pass Journal Entries and prepare necessary Accounts in the separate joint venture Books.

15. Ramesh purchased a second hand machine for Rs.34,000 on 1st July ,2016. He spent Rs.6,000 on its installation expenses. Depreciation is written off at 10% per annum on the original cost.on 30th June 2019 the machine was found to be unsuitable and sold for Rs.26,000. Prepare the machine account from 2016 to 2019 assuming that the accounts are closed on 31st December every year.

(OR)

16. A company writes off Depreciation at 16% on written Down value Method. On 1st July 2011, A machine was purchased for Rs.3,90,000 and spent 15,000 on its installation. On 30th November 2014, the machine was dismantled at a cost of Rs.5,000 and then was sold for Rs.1,50,000. On 1st December 2014, the company acquired and put into operation a new machine at a total cost of Rs.7,60,000. Depreciation was provided on the new machine on the same basis as in the case of the earlier machine. The company closes its books on 31st march. Prepare Machinery Account for the year ended 31st march.

17. Happy days Co. Ltd maintaining a provision for doubtful debts at 5% and a provision for discount at 2% on debtors. The ledger balances for the year ending 31st December 2009 was as follows.

1-1-2009	31-12-2009
Provision for doubtful debts	Rs.1,000
Provision for discount	380
Bad debts written off	300
Discount allowed	200
Sundry debtors	6,000

Prepare Bad debts account ,provision for doubtful debt accounts and discount allowed accounts in the books of Happy Days Co. Ltd for the year ending 31st December 2009.

(OR)

18. A firm desire to debit its profit and loss account with a uniform figure every year in respect of repairs and renewals. It expects that considering the life of the asset in question Rs.10,000 will be the average amount to be spent per year. Actual repairs are Rs.1000 in the first ,Rs.2300 in the second year and Rs.3,700 in the third year. show the provision for repairs and renewals account.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I BCA	Max Marks	: 75
Subject	: Computer Science	Pass Mark	: 30
Title of Paper	: Object Oriented Analysis & Design	Duration	: 3 Hrs
Paper Code	: R20BCA201	Time	: 9am - 12noon
W.E.F	: 2023-24	Date	: 07.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X5=25M**

1. Explain abstraction.
2. Explain object oriented analysis.
3. Explain relationship among classes.
4. Nature of classification.
5. Explain use case analysis.
6. Explain structure diagram.
7. Explain Timing diagram.
8. When to use CRC cards.

SECTION-B

II. Answer ALL the following Questions **5X10=50M**

9. Explain Foundations of the object Model.

(OR)

10. Explain Madularity and Heararchy concept.
11. Explain about class life cycle.

(OR)

12. Explain about polymorphism and Aggregation.
13. Explain Identifying classes and objects.

(OR)

14. Explain Naming Key Abstractions.
15. Explain about the Diagram taxonomy.

(OR)

16. Explain Deployment Diagram with example.
17. Explain object diagram and communication diagram with example.

(OR)

18. Explain activity diagram with example Bank application.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I BCA	Max Marks	: 60
Subject	: Computer Science	Pass Mark	: 24
Title of Paper	: Data Base Management System	Duration	: 3 Hrs
Paper Code	: R20BCA201A	Time	: 9am-12noon
W.E.F	: 2023-24	Date	: 07.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Explain the advantages of DBMS.

2. Explain about the queries in DBMS.

3. Explain how to alter tables and views.

4. Explain about the primary key with example.

5. Explain about the functional dependencies.

6. Explain two phase Locking techniques for concurrency control.

7. What are Desirable properties of transactions.

8. Explain about the Hashing Techniques.

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. What are the differences between File system and DBMS.

(OR)

10. Write about building blocks of Entity relationship diagram.

11. Explain about Integrity constraints.

(OR)

12. Explain about Relational Algebra in DBMS.

13. Explain about the SQL commands.

(OR)

14. What is Normalization? Explain INF, 2NF, and 3NF with examples.

15. Explain about the transaction and system concepts.

(OR)

16. Explain about the concurrency techniques.

17. Explain about the operations in Files.

(OR)

18. Explain about the parallelizing Disk access using RAID Technology.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I BCA	Max Marks	: 75
Subject	: Computer Science	Pass Mark	: 30
Title of Paper	: Python Programming	Duration	: 3Hrs
Paper Code	: R20BCA203	Time	: 9am-12noon
W.E.F	: 2023-24	Date	: 08.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X5=25M**

1. Explain about python virtual machine.
2. Comparison between Java and Python.
3. Explain constraints in python.
4. Explain advantages of Array.
5. Explain about anonymous functions (or) Lambdas.
6. Explain Bit wise operators.
7. Explain Naming conversions in python.
8. Explain Recursive function in python.

SECTION-B

II. Answer ALL the following Questions **5X10=50M**

9. Explain the features of python.

(OR)

10. Explain writing our first python program.
11. Explain various data types in python.

(OR)

12. Explain operators in python.
13. Explain command live Arguments in python.

(OR)

14. Explain control statements in python.
15. Write a program to read and print array in python.

(OR)

16. Explain working with multidimensional arrays.
17. Define function? Explain functions calling, returning and Results from functions.

(OR)

18. Define list and explain procedure to create list with example.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class	: I BCA	Max Marks	: 60
Subject	: Computer Science	Pass Mark	: 24
Title of Paper	: Python Programming	Duration	: 3Hrs
Paper Code	: R20BCA203A	Time	: 9am - 12noon
W.E.F	: 2022-23	Date	: 08.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Explain PVM.

2. Explain PYTHON Variables.

3. Explain about Assignment Operator.

4. Explain PYTHON I/O Statements.

5. Explain Continue Statement in PYTHON.

6. Explain types of Arrays in PYTHON.

7. How do you create arrays in PYTHON?

8. Explain Recursive function in PYTHON.

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Explain the features of PYTHON.

(OR)

10. Explain the History of PYTHON.

11. Explain the Arithmetic and Boolean Operators with examples.

(OR)

12. Explain the different Data Types in PYTHON.

13. Explain the If statements with examples.

(OR)

14. Explain different looping Statements with example.

15. Explain Multidimensional Arrays with example.

(OR)

16. Explain String functions with examples.

17. Explain different types of functions in PYTHON.

(OR)

18. Explain the procedure to create list with example.

Room No: _____ **Regd No:** 49

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I BCA/ B.Sc (DS, IOT)	Max Marks	: 60
Subject	: Computer Science	Pass Mark	: 24
Title of Paper	: Data Structures	Duration	: 3 Hrs
Paper Code	: R20BCA202A/R20DSDS201A/R20IOTDS201A	Time	: 9am-12noon
W.E.F	: 2022-23	Date	: 09.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. What is a Data structure? Explain data structure operation.

2. Explain the concept of insertion sort.

3. Explain algorithm for selection sort.

4. Explain tower of Hanoi.

5. Draw and explain linked representation of stacks.

6. Explain polish notation with an examples.

7. Explain different types of queues.

8. Explain Root, leaf and sub tree.

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Explain the concept of Binary search with example.

(OR)

10. Explain classification of Data structures.

11. Write ac program for Bubble sort.

(OR)

12. Explain quick sort with example.

13. Explain stack using arrays.

(OR)

14. Explain insertion, deletion traversing and searching in linked list.

15. What is recursion? Explain algorithm for towers of Hanoi.

(OR)

16. Write a c program to implement queue using linked list.

17. Explain BFS with example.

(OR)

18. Explain tree terminology.

Room No: _____ **Regd No:** 50

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS

II – SEMESTER END EXAMINATIONS

Class	: I BBA & BBA (Analytics)	Max Marks	: 60
Subject	: Commerce	Pass Mark	: 24
Title of Paper	: Principles of Management	Duration	: 3 Hrs
Paper Code	: R23BBA201	Time	: 9am - 12noon
W.E.F	: 2023-24	Date	: 07.05.2024

SECTION-A

I. Answer ALL the following Questions **5X12=60M**

1. Define Management? Explain its Nature and Significance?

(OR)

Henry Fayol's

2. Discuss the Principles of Management?

3. Explain the Various steps in Planning Process?

(OR)

4. State various types of Plans? Explain various Levels of Planning?

5. What is Line Organization? Write the Conflicts between Line and Staff?

(OR)

6. What is organizing? Explain its Nature and Importance?

7. Explain the nature and Purpose of Staffing?

(OR)

8. What is Motivation? Discuss the Maslow's theory of need Hierarchy?

9. Discuss the techniques of Managerial Control?

(OR)

10. Explain the requirements of an effective Control System?

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS
II – SEMESTER END EXAMINATIONS

Class	: I BBA	Max Marks	: 60
Subject	: Commerce	Pass Mark	: 24
Title of Paper	: Business Economics	Duration	: 3 Hrs
Paper Code	: R23BBA202	Time	: 9am – 12noon
W.E.F	: 2023-24	Date	: 08.05.2024

SECTION-A

I. Answer ALL the following Questions **5X12=60M**

1. Briefly discuss the nature and scope of Business Economics.

(OR)

2. Distinguish between Micro and Macro Economics.

3. Write about various measurement methods of Price elasticity of Demand.

(OR)

4. Briefly discuss various exceptions to Law of Demand with the help of Graph.

5. Define Cost of Production? Explain Classification of Costs?

(OR)

6. Explain Break Even Analysis with the help of graph.

7. What do you understand by the term – market? Explain classification of markets in brief.

(OR)

8. Explain how Equilibrium is determined under Monopoly?

9. Define Trade cycle? Briefly explain various phases or stages of Trade cycles.

(OR)

10. Explain the concepts of Liberalization, Privatization and Globalization?

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.B.A(Business Analytics)	Max Marks	: 60
Subject	: Commerce & Management	Pass Mark	: 24
Title of Paper	: Quantitative Methods For Managers	Duration	: 3Hrs
Paper Code	: R23BBAA202	Time	: 9am-12noon
W.E.F	: 2023-24	Date	: 08.05.24

SECTION-A

I. Answer ALL the following Questions **5X12=60M**

1. Solve the following simultaneous linear equation by using Cramer's Rule.

$3x+4y+5z=18$

$2x-y-7z=13$

$5x-2y+7z=20$

(OR)

2. Solve the following simultaneous linear equations.

$3x+4y+5z=18$

$2x-y-7z=13$

$5x-2y+7z=20$ By using Matrix inversion Method

3. Define conditional Probability? state and prove Multiplication theorem on Probability.

(OR)

4. Fit a Poisson distribution for the following data and calculate the Expected Frequency.

X	0	1	2	3	4
Frequency	109	65	22	3	1

5. What is Arithmetic mean in statistics? Explain the benefits and costs of Arithmetic mean

(OR)

6. Calculate Standard deviation to the following data.

Age	15-25	25-35	35-45	45-55	55-65	65-75
Persons	4	11	19	14	1	1

7. Write the definition of LPP. Explain the applications of LPP in Management.

(OR)

8. Solve the following LPP by Graphical method

Max $z = 5x_1 + 7x_2$

STC : $X_1 + X_2 \leq 4$

$3x_1 + 8x_2 \leq 24$

$10x_1 + 7x_2 \leq 35$

$X_1, X_2, X_3 \geq 0$

[P.T.O]

9. Determine an IBFS to the following Transportation Problem using N.W.C.R

	D1	D2	D3	D4	Supply
1	6	4	1	5	14
2	8	9	2	7	16
3	4	3	6	2	5
Required	6	10	15	4	35

(OR)

10. Determine an IBFS to the following Transportation Problem Least cost Method

	D1	D2	D3	D4	Supply
1	6	4	1	5	14
2	8	9	2	7	16
3	4	3	6	2	5
Required	6	10	15	4	35

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class : I BBA
Subject : Computers
Title of Paper : E-COMMERCE
Paper Code : R20BBA203
W.E.F : 2022-23

Max Marks : 75
Pass Mark : 30
Duration : 3Hrs
Time : 9am-12noon
Date : 09.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X5=25M**

1. world wide web

2. E- market.

3. Supply chain management.

4. E-CRM.

5. HTML

6. Formatting text with HTML.

7. Hacking.

8. Electronic logistics.

SECTION-B

II. Answer ALL the following Questions **5X10=50M**

9. Explain the advantages and disadvantages of e-commerce?

(OR)

10. what are the three models of e-markets.

11. what are the advantages and limitations of EDI.

(OR)

12. Explain the benefits and goals of SCM.

13. Explain the objectives and benefits of cryptography?

(OR)

14. What are the advantages and limitations of E-Payment system.

15. Define CRM . Explain the components of CRM.

(OR)

16. Explain the objectives and importance of CRM.

17. What are the steps required in creating and executing a HTML document.

(OR)

18. Discuss the structure of HTML.

Room No: _____ **Regd No:** 55

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I BA Honours (Political Science)	Max Marks	: 60
Subject	: Politics	Pass Mark	: 24
Title of Paper	: Fundamentals of Political Science	Duration	: 3 Hrs
Paper Code	: R23PS201	Time	: 9am-12noon
W.E.F	: 2023-24	Date	: 07.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Importance of Political Science.

2. Post - Behaviorism.

3. Origin of the State.

4. General Will.

5. John Locke's – Social Contract Theory.

6. Patriarchal Theory.

7. Functions of Modern State.

8. Criticism of Welfare State.

SECTION-B

II. Answer any FIVE of the following Questions **5X8=40M**

9. Define Political Science and explain its Scope.

10. Explain the relationship of Political Science with Society.

11. What is System approach of Political Science?

12. Write an essay on behavioral approach of Political Science.

13. Define State and essential elements of State.

14. Describe the relationship between State and Government.

15. Explain the Rousseau's Social Contract Theory.

16. Explain the Thomas Hobbes Social Contract Theory.

17. Describe the functions of Welfare State.

18. Explain the nature of Modern State.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I BA(Political Science)	Max Marks	: 60
Subject	: Sociology	Pass Mark	: 24
Title of Paper	: Sociological Analysis	Duration	: 3 Hrs
Paper Code	: R23MSOC201	Time	: 9am-12noon
W.E.F	: 2023-24	Date	: 09.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Auguste comte.

2. Function of Human society.

3. Characteristics of primary group.

4. Define status and Role.

5. Socialization.

6. Forms of stratification.

7. What is meant by co-operation.

8. What is conflict.

SECTION-B

II. Answer any FIVE of **the following Questions** **5X8=40M**

9. Explain the Nature and scope of sociology.

10. Explain the relationship between sociology and political science.

11. Define social group and explain types of social groups.

12. Define culture and explain characteristics of culture.

13. What are the various Agencies of socialization.

14. Define social control and explain about its types.

15. Define stratification and explain its characteristics.

16. Describe the merits and de-merits of caste system.

17. Define Accommodation and explain various types of Accommodation.

18. Explain the importance of competition in Human society.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I BA(Political Science)	Max Marks	: 60
Subject	: Politics	Pass Mark	: 24
Title of Paper	: Concepts & Ideologies of Political Science	Duration	: 3 Hrs
Paper Code	: R23PS202	Time	: 9am - 12noon
W.E.F	: 2023-24	Date	: 08.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Rule of law.

2. Political Liberty.

3. Scope of power.

4. Legitimacy.

5. Natural theory of Rights.

6. Fundamental rights.

7. Fascism.

8. Significance of socialism.

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Define Law and explain sources of law.

10. What is liberty? What are safe guards of liberty.

11. Define equality? Explain Different types of equality.

12. Define Authority and explain its Nature.

13. Define individualism and explain its principles.

14. Define Anarchism and explain its characteristics.

15. Define Rights and explain classification of rights.

16. Explain about social and welfare theory of rights.

17. Write an essay on Marxism.

18. Explain different phases of Nationalism.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.Com (Gen,TP,Comp & Log)	Max Marks	: 60
Subject	: Commerce	Pass Mark	: 24
Title of Paper	: Business Economics	Duration	: 3 Hrs
Paper Code	: R20COM202A	Time	: 9am – 12noon
W.E.F	: 2022-23	Date	: 08.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Macro Economics

2. Business Economics

3. Demand Function

4. Are method

5. Implicit and Explicit costs

6. Production function

7. Monopoly features

8. National Income

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Explain the nature and scope of Business Economics

(OR)

10. Micro and Macro Economics – and their interface discuss in details

11. Discuss various determinants of Demand

(OR)

12. Explain Point Method in measuring –Price Elasticity of Demand

13. Briefly explain Law of variable Proportions with suitable diagram

(OR)

14. Explain about Law of Returns to Scale in detail

15. What is a Perfect Competition? What are its characteristics?

(OR)

16. Define Monopoly? Explain its characteristics?

17. Explain various methods of measuring National Income.

(OR)

18. Write various concepts of National Income

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.Com (Gen)	Max Marks	: 60
Subject	: Commerce	Pass Mark	: 24
Title of Paper	: Banking Theory And Practice	Duration	: 3 Hrs
Paper Code	: R20COMG203A	Time	: 9am-12noon
W.E.F	: 2022-23	Date	: 09.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Define a Scheduled Bank.

2. Explain the difference between central Bank and Commercial Bank.

3. What are the types of Co-operative Banks

4. What do you mean by internet banking?

5. Explain the functions of NABARD.

6. Briefly explain in the Banker's lien.

7. Discuss the agency services rendered by a banker.

8. Briefly explain the duties of a collecting Banker.

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Define commercial Bank. Discuss the functions of a commercial Bank.

(OR)

10. Define a central bank? What important role it can play in a developing Economy?

11. Explain Branch Banking. Discuss its advantages and limitations.

(OR)

12. Discuss the E-Banking. Explain advantages of E-Banking

13. Define Regional Rural Banks. Briefly explain the functions of RRBs.

(OR)

14. Define Indigenous Bankers. Explain the importance and functions of indigenous bankers.

15. Explain briefly the special relationship between banker and customer.

(OR)

16. What are precautions a banker has to take while opening and operating?
a) Partnership b) Joint Accounts

17. Define paying Banker. Discuss the Responsibilities and Duties of Paying Banker.

(OR)

18. Define Payment Gateway. What are benefits?

Room No: _____ **Regd No:** 60

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.Com (TP)	Max Marks	: 60
Subject	: Commerce	Pass Mark	: 24
Title of Paper	: Income Tax-II	Duration	: 3 Hrs
Paper Code	: R20COMT203A	Time	: 9am - 12noon
W.E.F	: 2022-23	Date	: 09.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Claim of additional depreciation

2. Define Business and Profession

3. What do you mean by cost of acquisition?

4. Types of Capital assets.

5. Deduction U/s 57

6. Aggregation of minor income.

7. How is speculation loss treated

8. Explain about U/s 80G

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Define Depreciation. What are the rules regarding claiming of Depreciation.

(OR)

10. From the Profit and Loss Account of Mr. Ramesh for the year ended 31-3-2021. Compute the income from business for the A.Y. 2021 – 22.

Particulars	Rs.	Particulars	Rs.
Office Expenses	40,000	Gross profit b/d	6,40,000
General Expenses	16,000	Interest on Govt. Securities	11,200
Interest on Bank Loan	4,000	Discounts received	16,000
Audit fees	4,000	Bad debts recovered (not written off earlier year)	800
Interest on capital	12,000	Sundry receipts	16,000
Rent	20,000	Dividend	16,000
Provision for income tax	16,000		
Charity	8,000		
Legal expenses	4,000		
Compensation to retrenched Employees	20,000		
Extension of building	36,000		
GST	8,000		
Net Profit	5,12,000		
	7,00,000		**7,00,000**

Additional information:

1. General charges included Rs.8,000 towards purchase of computer.
2. Legal expenses include Rs.1600 penalty by customs authority.
3. Rent includes Rs.8,000 paid as rent of the house in which the assessee lives.
4. Depreciation allowed Rs.12,000 as per income tax rules. (Excluding depreciation on computer purchased)
5. Income tax provision is excessive to the extent of Rs.5,000.

[P.T.O]

11. How to compute short term capital gain and long term capital gain?

(OR)

12. Mr. Vinod (resident) purchased a residential house in Mysore on 1 -4 – 1979 for Rs.25,000 and added first floor in 1980 at a cost of Rs.7,000.
On 1st November 2010 he gifted the house to his son Mr. Anand, who added two rooms in June 2013 at a cost of Rs.20,000.
On 1st November 2020, Mr. Anand sold the property for Rs.15,00,000.
Find out the taxable capital gain if the fair market value of the property as on 1 – 4 – 2001 is Rs.75,000. (CII 2020 – 21 = 301, 2013 – 14 = 220, 2010 – 11 = 167, 2001 – 02 = 100).

13. What are the specific incomes under the head income from other sources.

(OR)

14. Following incomes are received by Mr. Ajay (resident) in the previous year 2020 -21). Compute his taxable income from the head other sources.

a) Directors fees Rs.10,000.
b) Interest from Saving Ban Account Rs.500.
c) Dividend received from Co – operative Society RS.7,000.
d) Winning from Andhra Pradesh state Lottery RS.28,000 (net).
e) Family pension received Rs.30,000 p.a.
f) Dividend received on preference shares Rs.10,000 p.a.
g) Insurance commission received Rs.23,500 (expenses incurred in earning insurance commission Rs.2,500)
h) Mr. Ajay received a gold chain from his friend as gift. Its fair market value is Rs.32,000 and painting from another friend as gift. Its fair market value is Rs.18,000.

15. What are the provisions of low regarding to clubbing of income.

(OR)

16. What are the provisions of income tax Act 1961, regarding carry forward and set off losses.

17. Explain about Deductions U/s 80G.

(OR)

18. Mr. Muniraju furnishes the following incomes.
Compute taxable income.
Income from salary Rs.4,50,000 p.a. (Computed)
Income from house property Rs.2,00,000 p.a. (Computed)
Income from other sources Rs.3,00,000j p.a.
His other information are as follows LIC premium paid Rs.6,000 p.m.
Medical insurance paid Rs.30,000 p.a.
Donation to : 1. P.M. National relief fund Rs.20,000
2. University of national eminence Rs.10,000

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.Com(Gen, TP, Comp) & BBA	Max Marks	: 75
Subject	: Commerce	Pass Mark	: 30
Title of Paper	: Management Process	Duration	: 3 Hrs
Paper Code	: CBMP201	Time	: 9am-12noon
W.E.F	: 2018-19	Date	: 10.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X5=25M**

1. Is management art, scene or profession.

2. Spam of control.

3. Delegation of Authority.

4. Importance of Motivation.

5. Recruitment.

6. Significance of planning.

7. Requirements of effective control.

8. MBO.

SECTION-B

II. Answer ALL the following Questions **5X10=50M**

9. What is meant by Management? Explain its functions.

(OR)

10. Explain the principles of Henry Fayol.

11 Explain the principles of planning.

(OR)

12 Explain various stages in the process of planning.

13. Explain differences between formal and informal organizations.

(OR)

14. Explain types, Advantages and disadvantages of Departmentalization.

15. Explain meaning and importance of staffing.

(OR)

16. Define communication and explain barriers of communication.

17. Explain the importance and process of controlling.

(OR)

18. What is controlling? Explain problems of controlling.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II SEMESTER END EXAMINATIONS

Class	: I B.Com (GEN, TP, COMP)	Max Marks	: 75
Subject	: Commerce	Pass Mark	: 30
Title of Paper	: Business Economics	Duration	: 3 Hrs
Paper Code	: CBBE201A	Paper Time	: 9am-12noon
W.E.F	: 2018-19	Date	: 08.05.24

SECTION – A

I. Answer any FIVE Of the following questions. **5X5=25M**

1. Cobb -Douglas production function.
2. W.T.O. objectives.
3. Characteristics of Monopoly.
4. Concept of Market.
5. Kinky Demand Curve.
6. Product differentiation.
7. Features of mixed Economy.
8. Benefits of International Trade.

SECTION –B

II. Answer ALL the following Questions **5X10=50M**

9 Define costs and classification of costs.

(OR)

10 Explain Economies of Scale.

11 How is Price determined under perfect competition?

(OR)

12 Define Market? and classification of markets.

13 How is Price determined under oligopoly market?

(OR)

14 Explain price and output determination of under monopolistic competition.

15 Define National Income and explain the methods of measuring National Income.

(OR)

16 Explain the differences between Free Market economy and socialist economy.

17 Explain the concepts of Economic liberalization, privatization and globalization.

(OR)

18 Define Trade cycles and explain the phases of Trade cycles.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.COM (COMP)	Max Marks	: 75
Subject	: Computer Science	Pass Mark	: 30
Title of Paper	: E- Commerce & Web Designing	Duration	: 3Hrs
Paper Code	: R20COMC203	Time	: 9am-12noon
W.E.F	: 2022-23	Date	: 09.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X5=25M**

1. Write applications of E-Commerce?
2. Write a short note on overview of HTML?
3. How to set body and background attributes in HTML?Explain
4. Explain how to define your own Styles?
5. Write a short note on Advantages of CSS?
6. Explain DOM?
7. Explain briefly about Data Types in Java Script?
8. How do you open a new window in DHTML?Explain?

SECTION-B

II. Answer ALL the following Questions **5X10=50M**

9. Define E-Commerce?Explain advantages and limitations of E-Commerce?

(OR)

10. Explain in detail about Advertising and Online payment system?
11. Explain the Structure of HTML with an example program?

(OR)

12. Explain in detail about Working with tables in HTML?
13. What is CSS? Explain about CSS Properties?

(OR)

14. Explain different types of CSS with examples?
15. Explain different types of Operators in Java Script?

(OR)

16. Give a brief account on Control Flow Statements?
17. Write a code for Data validation in DHTML?

(OR)

18. Explain about Status bar, Messages and Confirmation ?

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.Com (Comp)	Max Marks	: 60
Subject	: Computer Science	Pass Mark	: 24
Title of Paper	: E-Commerce And Web Designing	Duration	: 3 Hrs
Paper Code	: R20COMC203A	Time	: 9am-12noon
W.E.F	: 2022-23	Date	: 09.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Explain limitations of E-commerce

2. Write about structure of HTML with example

3. How to add images to a web page using hyperlinks with example

4. Explain about Internal Cascading Style sheets

5. Explain different properties and values in CSS

6. Write down the benefits and problems of JavaScript

7. Explain about functions in JS with example

8. What is Dynamic HTML

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Explain briefly about a) online trading b) online auction c) online advertising

(OR)

10. Explain applications of E-commerce

11. Explain different Formatting tags in HTML

(OR)

12. Explain table related tags and attributes with an example program

13. Explain about different types of CSS

(OR)

14. Write about formatting a blocks of information

15. Write down the array functions in JavaScript with examples

(OR)

16. Define Events and Event Handlers in JavaScript

17. Write a code for data validation in DHTML

(OR)

18. Explain about messages and confirmations in DHTML

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS
II – SEMESTER END EXAMINATIONS

Class	: I B.Com (Comp)	Max Marks	: 60
Subject	: Commerce	Pass Mark	: 24
Title of Paper	: Principles of HRM	Duration	: 3 Hrs
Paper Code	: R23MMT203	Time	: 9am-12noon
W.E.F	: 2023-24	Date	: 08.05.2024

SECTION-A

I. Answer ALL the following Questions **5X12=60M**

1. Explain about Nature and Scope of HRM?

(OR)

2. Explain functions of HRM?

3. Define Job Specification and its Contents?

(OR)

4. Explain the Various Steps involved in selection Process?

5. Define training and its various types?

(OR)

6. Explain the methods of Executive Development Program?

7. Define Performance Appraisal? Explain its Methods?

(OR)

8. Explain the process of Performance Appraisal?

9. Define Industrial Relations? Explain its Objectives?

(OR)

10. Explain the Process of Collective Bargaining?

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.Sc (MPC, MPCS)	Max Marks	: 60
Subject	: Physics	Pass Mark	: 24
Title of Paper	: Wave Optics	Duration	: 3 Hrs
Paper Code	: R20PHY201A	Time	: 9am - 12noon
W.E.F	: 2022-23	Date	: 08.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Explain the formation of colours in thin films.

2. Distinguish between Fresnel and Fraunhoffer diffraction.

3. State and explain Malus law.

4. Explain the defect coma.

5. What is holography? Write its applications.

6. In a Newton's rings experiment, the diameter of the 10^{th} dark ring is 0.433cm. If the radius of curvature of lens is 70cm then find the wavelength of light used.

7. A grating has 15 cm of the surface ruled with 6000 lines per cm. What is the resolving Power of grating in the first order?

8. Calculate the thickness of a quarter wave plate. Given μ_e=1.533, μ_o=1.544 and λ=5000Å

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Describe the construction and working of Michelson interferometer. Explain how to determine the wavelength of light using it.

(OR)

10. How to determine the wavelength of monochromatic light using Newton's rings with necessary theory

11. What is diffraction of light? Explain Fraunhofer diffraction due to single slit.

(OR)

12. What are Fresnel's half period zones? Explain the construction and working of a zone plate.

13. Explain the construction and working of Nicol prism. Mention its uses.

(OR)

14. What is specific rotation? Explain how it is determined by using Laurent's half shade polarimeter.

[P.T.O]

15. Explain spherical aberration. How the spherical aberration eliminated by using two lenses separated by a distance.

(OR)

16. Explain the principle of fiber communication. What are applications of optical fiber communication?

17. What is population inversion? Explain the construction and working of Ruby laser.

(OR)

18. Describe the construction and working of He-Ne laser.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.Sc Honours (Physics)	Max Marks	: 60
Subject	: Physics	Pass Mark	: 24
Title of Paper	: Waves And Oscillations	Duration	: 3 Hrs
Paper Code	: R23PHY202	Time	: 9am-12noon
W.E.F	: 2023-24	Date	: 08.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Explain the physical characteristics of SHM.

2. Explain relaxation time and Q- factor

3. State Fourier theorem and write the limitations of the theorem

4. Explain how the frequency of a tuning fork is determined

5. Write the properties of ultrasonics

6. Calculate the fundamental frequency of a quartz crystal of thickness 3 mm, Y= 8X 10^{10} N/m^2 and P = 2.5 X 10^3 Kg $/m^3$.

7. The amplitude of a second pendulum falls to half of its initial value in 150 sec. Calculate the Q-factor.

8. A steel wire of 150 cm length has mass 5g. It is stretched with a tension of 1200 N. Find the velocity of transverse wave travelling in the string.

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. What is simple harmonic oscillator? Derive the equation of motion of simple harmonic oscillator and find its solution.

(OR)

10. Discuss the linear combination of simple harmonic oscillation of same frequencies at right angles.

11. What are damped oscillations? Derive the equation of motion damped oscillator and find its solution.

(OR)

12. Define forced vibrations, derive the equation of motion of forced oscillator and hence obtain the solution

13. State and explain Fourier theorem. Derive the expression for Fourier coefficients

(OR)

14. Analyse saw-tooth wave using Fourier theorem.

15. Derive and expression for the velocity of a transverse wave in a stretched string.

(OR)

16. Deduce the solution of a longitudinal wave in the case of a bar clamped rigidly at both the ends.

17. What are ultrasonic waves. Describe the magnetostriction method for the production of ultrasonics

(OR)

18. Explain the method of production of ultrasonics using piezo electric method.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.SC(Physics)	Max Marks	: 60
Subject	: Physics	Pass Mark	: 24
Title of Paper	: Mechanics & Properties of Matter	Duration	: 3 Hrs
Paper Code	: R23PHY201/R23MPHY203	Time	: 9am-12noon
W.E.F	: 2023-24	Date	: 10.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. What is curl of a vector and explain physical significance.

2. Explain multistage rocket.

3. Write a short note on gyroscope.

4. Show that the central force is conservative in nature.

5. Explain time dilation.

6. Show that $\nabla . (\nabla x A) = 0$

7. Estimate the mass of the sun assuming the orbit of earth round the sun is a circle. The distance between the sun and the earth is $1.49x10^{11}$m and $G=6.67X10^{-11}$ N-m^2/kg^2.

8. A Rocket of mass 40 kg has got a fuel of mass 360 kg inside it. The exhaust velocity of the fuel is 2 km/sec. The fuel is burning at the rate of 4kg/sec. Find the final velocity of rocket.

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. State and prove Gauss's theorem of Divergence with a neat diagram.

(OR)

10. State and Prove Stoke's theorem.

11. Derive the motion of system of variable mass. Derive the expression for final velocity of Rocket

(OR)

12. Derive Rutherford scattering formula.

13. Deduce an expression for angular velocity of precession of a Spinning top.

(OR)

14. Define the three elastic modulii and obtain the relation between them.

15. Deduce the equation of motion of a body under Central Force.

(OR)

16. State Kepler's laws of planetary motion. Derive the Kepler's first law.

17. Describe Michelson-Morley experiment with necessary theory.

(OR)

18. State postulates of Special Theory of Relativity. Derive Lorentz transformation equations.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.SC(MPC,MPCS)	Max Marks	: 75
Subject	: Physics	Pass Mark	: 30
Title of Paper	: Wave Optics	Duration	: 3 Hrs
Paper Code	: R20PHY201	Time	: 9am-12noon
W.E.F	: 2023-24	Date	: 08.05.2024

SECTION-A

I. Answer ALL of the following Questions **5X10=50M**

1. Describe Newton's rings experiment to determine the wavelength of monochromatic light with necessary theory.

(OR)

2. Describe the construction and working of Michelson's Interferometer. How can you determine the wavelength of mono-chromatic light

3. Explain Fraunhoffer diffraction due to single slit with necessary theory.

(OR)

4. Describe the construction and working of a Zone plate. Derive expression for the focal length of Zone plate.

5. Describe the construction and working of Nicol's prism. Explain how can it be used as a polarizer and analyzer.

(OR)

6. Explain how to determine the specific rotation by using Laurent's half shade polarimeter.

7. Derive equations for achromatism when two thin lenses are (a) in contact and (b) separated by a distance.

(OR)

8. What are Step index and Graded index optical fibers. Explain.

9. Describe the construction and working of Ruby laser with a neat diagram.

(OR)

10. Write the basic principle of Holography. Write any five applications of Holography.

SECTION-B

II. Answer THREE the following Questions **3X5=15M**

11. Explain the formation of colours in thin films.

12. Compare Zone plate with a convex lens

13. State and explain Brwester's law.

14. Explain about the defect 'Coma' in lenses with a neat diagram.

15. Write any five applications of LASER

SECTION-C

III. Answer TWO the following Questions **2X5=10M**

16. In Newton's rings experiment, the diameter of 10^{th} dark ring is 0.4 cm. Find the wave length of incident light if the radius of curvature of the lens is 60 cm.

17. Calculate the minimum thickness of quarter wave plate made of quartz to be used for a light of wavelength $6000A^0$. Given that $\mu_0 = 1.544$ & $\mu_e = 1.533$.

18. There are 15000 lines per inch in a grating. What is the maximum number of orders? obtained by using light of wavelength 6000 A^0?

19. Find the radius of first zone in a zone plate of focal length 20cm. for a light of wave length $5000A^o$.

20. Two thin convex lenses of focal length 20 cm. and 25 cm. are placed co-axially10 cm. apart Find the effective focal length of the combination.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class	: I B.Sc(All Science Groups)	Max Marks	: 50
Subject	: Physics	Pass Mark	: 20
Title of Paper	: Solar Energy	Duration	: 2Hrs
Paper Code	: R20SDC201	Time	: 9am-11am
W.E.F	: 2020-21	Date	: 02-05-2024

SECTION-A

I. Answer any FOUR of the following Questions **4X5=20M**

1. Explain the Solar radiation at the earth's surface.

2. Write a short note on Solar Green House.

3. Write a short note on Solar Dryers.

4. Explain the construction & working of a Sun Shine Recorder.

5. Explain the construction and working of a Street Light.

6. Write a short note on Solar Pond.

7. Explain the process of Solar Distillation with a neat diagram.

8. Write a short note on Water Pumping.

SECTION-B

II. Answer any THREE of the following Questions **3X10=30M**

9. Explain the principle, construction & working of a Pyrheliometer.

10. Explain the principle, construction and working of a Solar Cookers.

11. Explain the series and parallel combination of Solar cells.

12. What is Photovoltaic Effect? Explain the working principles of Solar Photovoltaic Cell.

13. Explain the principle, construction and working of a Solar Thermal Power Plant.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.Sc (MPC, MPCS)	Max Marks	: 75
Subject	: Physics	Pass Mark	: 30
Title of Paper	: Waves And Oscillations	Duration	: 3 Hrs
Paper Code	: CBPHY201A	Time	: 9am-12noon
W.E.F	: 2018-19	Date	: 08.05.2024

SECTION-A

I. Answer ALL the following Questions **5X10=50M**

1. a) Explain with necessary theory what happens when two Simple Harmonic Motions of same frequency simultaneously acts on a body at right angles to each other.

(OR)

b) Define SHM? Derive the equation of motion of SHO and obtain its solution.

2. a) Obtain the differential equation of a damped oscillator and discuss its solution under different cases.

(OR)

b) Discuss the differential equation of a forced oscillator and obtain its solution.

3. a) State Fourier's theorem and use it to analyse a Square wave.

(OR)

b) State Fourier theorem and evaluate the Fourier coefficients.

4. a) Discuss the modes of vibration of stretched string clamped at both ends. Explain overtones and harmonics?

(OR)

b) Derive an expression for the velocity of longitudinal wave in a bar and write the general solution of a longitudinal wave equation?

5. a) Describe how ultrasonic waves are produced by magnetostriction method with diagram?

(OR)

b) What is Piezo electric effect? Explain how ultrasonics are produced by this method?

SECTION-B

II. Answer any THREE Questions **3X5=15M**

6. Derive the equation for time period of a Torsional pendulum.

7. Explain Quality factor?

8. What are the limitations of Fourier theorem?

9. Write the laws of transverse waves in a stretched string.

10. Write short note on tuning fork.

11. Mention any four applications of Ultrasonics

[P.T.O]

SECTION-C

III. Answer any TWO Questions **2X5=10M**

12. The displacement equation of a particle describing SHM is $x = 0.01 \sin 50\Pi (t+0.007)$m. Calculate the amplitude, Time period and maximum velocity.

13. A mass of a 0.04kg is attached to a spring of force constant 160N/m. If the relaxation time is 0.05sec. Find the Q-factor.

14. A steel wire 50 cm long has mass of 5 gm. It is stretched with a tension of 400 N. Find the frequency of the wire in fundamental mode of vibration.

15. Calculate the fundamental frequency of a quartz crystal of thickness 3mm, $Y=8\times10^{10}N/m^2$ and $\varrho=2.5\times10^{3}kg/m^3$.

Room No: _____ Regd No _____

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class : I B.Sc(Mathematics)
Subject : Mathematics
Title of Paper : Analytical Solid Geometry & Problem Solving Sessions
Paper Code : R23MAT202
W.E.F : 2023-24

Max Marks : 60
Pass Mark : 24
Duration : 3Hrs
Time : 9am - 12noon
Date : 08-05-2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Find the equation of the plane through the points (2,2,1),(9,3,6) and perpendicular to the plane 2x+6y+6z=9.

2. If a plane meets the coordinate axis in A,B,C such that the centroid of the triangle ABC is the point (a,b,c) then show that the equation of the plane is $\frac{x}{a}+\frac{y}{b}+\frac{z}{c}=3$

3. Find the image of the point (2,-1,3) in the plane 3x-2y+z=9.

4. Find the equation of the line through the point (1,2,4) and parallel to the line 3x+2y-z=4,x-2y-2z=5.

5. Show that the spheres $x^2+y^2+z^2=25$ and $x^2+y^2+z^2-24x-40y-18z+225=0$ touch externally.

6. Find the pole of the plane x-y-z+9=0 with respect to the sphere $x^2+y^2+z^2-2x+4y-6z+5=0$

7. Show that the spheres $x^2+y^2+z^2+6y+2z+8=0$ and $x^2+y^2+z^2+6x+8y+4z+20=0$ are orthogonal.

8. Find the enveloping cone of the sphere $x^2+y^2+z^2+2x-2y=2$ with its vertex (1,1,1).

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. A variable plane is at a constant distance 'p' from the origin and meets the coordinate axes A, B, C. Show that the locus of the centroid of the tetrahedron OABC is $x^{-2}+y^{-2}+z^{-2}=16p^{-2}$

(OR)

10. Prove that equation $2x^2-6y^2-12z^2+18yz+2zx+xy=0$ represents a pair of planes. Also find the angle between them.

11. Show that lines $\frac{x+1}{1}=\frac{y+1}{2}=\frac{+1}{3}$ and x+2y+3z-8=0=2x+3y+4z-11 are intersecting. Find the point of intersection and the equation of the plane containing them.

(OR)

12. Find the shortest distance and equations of shortest distance between the two lines $\frac{x-3}{3}=\frac{y-8}{-1}=\frac{z-3}{1}$; $\frac{x+3}{-3}=\frac{y+7}{2}=\frac{z-6}{4}$.

[P.T.O]

13. Show that the circles $x^2+y^2+z^2-y+2z=0$, $x-y+z-2=0$ and $x^2+y^2+z^2+x-3y+z-5=0$, $2x-y+4z-1=0$ lie on the same sphere and find its equation.

(OR)

14. Find the equation of the sphere through the points (1,-4,3),(1,-5,2),(1,-3,0) and whose centre lies on the plane $x+y+z=0$.

15. Find the equation of the sphere through the circle $x^2+y^2+z^2-2x+3y-4z+6=0$, $3x-4y+5z-15=0$ and cutting the sphere $x^2+y^2+z^2+2x+4y-6z+11=0$ orthogonally.

(OR)

16. Find the limiting points of the co- axial system of spheres $x^2+y^2+z^2-20x+30y-40z+29+\lambda(2x-3y+4z)=0$.

17. Find the equation to the Right circular cone whose vertex is P(2,-3,5), axis PQ which makes equal angles with the axes and semi vertical angle is 30^0.

(OR)

18. Find the equation to the cone which passes through the three coordinate axes as and the two lines $\frac{x}{1}=\frac{y}{-2}=\frac{z}{3}$ and $\frac{x}{2}=\frac{y}{1}=\frac{z}{1}$..

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Room No: _____ **RegNo:** _____

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.SC(Mathematics,Computers)	Max Marks	: 60
Subject	:Mathematics	Pass Mark	: 24
Title of Paper	:Differential Equations & Problem Solving Session	Duration	: 3 Hrs
Paper Code	: R23MAT201/R23MMAT203	Time	:9am-12noon
W.E.F	: 2023-24	Date	: 10.05.24

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Solve $(e^y + 1)\cos x\,dx + e^y \sin x\,dy = 0$.

2. Solve $(x^2 + 1)\frac{dy}{dx} + 4xy = \frac{1}{x^2+1}$.

3. Solve $p^2 - 5p + 6 = 0$.

4. Solve $y^2 - 2pxy + p^2(x^2 - 1) = m^2$.

5. Solve $\frac{d^3y}{dx^3} + 6\frac{d^2y}{dx^2} + 11\frac{dy}{dx} + 6y = 0$.

6. Solve $(D^2 - 5D + 6)y = e^x$.

7. Solve $\frac{d^2y}{dx^2} - 6\frac{dy}{dx} + 13y = 8e^{3x}\sin 2x$.

8. Solve $3x^2\frac{d^2y}{dx^2} + x\frac{dy}{dx} + y = x$.

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Solve $x^2y\,dx - (x^3 + y^3)dy = 0$.

(OR)

10. Solve $x\frac{dy}{dx} + y = y^2 \log x$.

11. Find the orthogonal trajectories of the family of curves $r = a(1 - \cos\theta)$, where 'a' is the parameter.

(OR)

12. Solve $p^2 + 2py\cot x = y^2$.

13. Solve $(D^2 + 9)y = \cos^3 x$.

(OR)

14. Solve $(D^2 - 4D + 3)y = \sin 3x \cos 2x$.

15. Solve $(D^2 - 2D + 4)y = 8(x^2 + e^{2x} + \sin 2x)$.

(OR)

16. Solve $\frac{d^2y}{dx^2} + 3\frac{dy}{dx} + 2y = xe^x \sin x$.

17. Solve $(D^2 + a^2)y = \tan ax$ by the method of variation of parameters.

(OR)

18. Solve $(x^2D^2 - xD - 3)y = x^2 \log x$.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.Sc (MECS)	Max Marks	: 60
Subject	: Electronics	Pass Mark	: 24
Title of Paper	: Digital Electronics	Duration	: 3 Hrs
Paper Code	: R20ELE201A	Time	: 9am-12noon
W.E.F	: 2022-23	Date	: 08.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Explain about Gray code and its conservation with example.

2. Explain about Binary addition and Binary Subtraction with examples.

3. Explain about don't care Condition in K- map.

4. Write a brief note on SOP and POS forms with examples.

5. Explain the Magnitude comparator.

6. Define Decoder. Explain about 3 to 8 line decoder with diagram and truth table.

7. Explain about Mod-8 Asynchronous counter.

8. Write a short note on EAROM.

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Explain about Decimal, Binary, Hexadecimal, and Octal & BCD number systems with examples.

(OR)

10. Explain about Excess-3 code& BCD to Excess-3 code to BCD Conversions.

11. Explain about NAND as Universal gate (AND,OR,NOT,NOR,XOR from NAND)

(OR)

12. Write about Karnaugh Maps& Explain about 2, 3, 4&5 variable K-maps with tables.

13. Explain the working of Half sub tractor & Full sub tractor with their diagrams and truth tables.

(OR)

14. Define De-multiplexer? Explain the working of 1 to 2 & 1 to 4 De-multiplexer with diagrams.

15. Explain the working of Asynchronous Mod-16 Counter with diagram.

(OR)

16. Explain the operation of Master –Slave flip flop with neat circuit & timing diagrams.

17. Explain about operation of programmable Array logic with diagram.

(OR)

18. Draw and Explain the working and characteristics of TTL logic.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.SC(COMPUTERS,ELECTRONICS)	Max Marks	: 60
Subject	: Electronics	Pass Mark	: 24
Title of Paper	: Fundamentals of Electricity & Electronics	Duration	: 3 Hrs
Paper Code	: R23ELE201/R23MELE203	Time	: 9am-12noon
W.E.F	: 2023-24	Date	: 10.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Write a short note on electric Di-pole.
2. What do you mean by electric flux?
3. Derive an expression for the energy of a charged condenser.
4. Write a short note on Biot-savart's law.
5. Explain about the working of half wave rectifier.
6. Write a short note on Clipper and Clamper using diodes.
7. Write a short note on h-parameters.
8. What are the applications of CE mode?

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. State and Prove Gauss theorem in electrostatics. Derive an expression for the electric field due to uniformly charged sphere.

(OR)

10. What is Electrostatics? Deduce coulomb's law from Gauss Law.
11. Derive the expression for the capacity of (i) Parallel Plate Capacitor (ii) Spherical Capacitor.

(OR)

12. Explain briefly about different types of capacitors.
13. Describe the construction and working of ballistic galvanometer.

(OR)

14. Explain principle and working of Carey foster bridge.
15. Explain about the V-I characteristics of Zener diode.

(OR)

16. Explain briefly about Bridge wave rectifier and derive an expression for efficiency of the rectifier.
17. Draw and explain the frequency response of single stage RC Coupled Amplifier

(OR)

18. What are logic gates? Explain construction of basic logic gates using diodes and transistors.

Room No: _____ **Regd No:** 80

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.Sc (ELE)	Max Marks	: 60
Subject	: Electronics	Pass Mark	: 24
Title of Paper	: Circuit Theory And Electronic Devices	Duration	: 3 Hrs
Paper Code	: R23ELE202	Time	: 9am - 12noon
W.E.F	: 2023-24	Date	: 08.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Explain phasor relation of R, L and C

2. What do you mean by Node voltage method of analysis?

3. State and prove Reciprocity theorem.

4. Explain the Action of High Pass filter with RC combination.

5. Explain the working of Integrator and Differentiator with RL combination.

6. Explain the differences between BJT and FET.

7. Write a short note on UJT as a Relaxation oscillator

8. Write a short note on π – section filter.

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Derive and expression for Average and RMS value of an AC.

(OR)

10. Difference between AC and DC.

11. How do you convert star to delta and delta to star?

(OR)

12. State and prove Maximum power transfer theorem.

13. What is Filter? Explain the Frequency response of RC circuit

(OR)

14. Define Resonance. Obtain an expression for the resonant frequency and Q-factor For a Parallel Resonance circuit.

15. Explain about CE configuration of BJT & its characteristics.

(OR)

16. Explain the working of MOSFET. Explain Depletion, Enhancement modes.

17. What is rectifier? Derive an expression for Full wave rectifier with neat circuit and wave forms

(OR)

18. Explain about Characteristics of LED.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.SC(STAT)	Max Marks	: 60
Subject	: Statistics	Pass Mark	: 24
Title of Paper	: Descriptive Statistics	Duration	: 3 Hrs
Paper Code	: R23STAT201	Time	: 9 am - 12 noon
W.E.F	: 2023-24	Date	: 07.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Explain classification of data.
2. Define Ogive curves.
3. Explain Geometric Mean and Harmonic Mean.
4. Explain the concept of Median.
5. Explain about Sheppard's correction for moments.
6. Explain the concept of Kurtosis.
7. Define Equally likely, Mutually exclusive events.
8. Define Conditional Probability and independent events

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Explain the various methods of collecting Primary data.

(OR)

10. Explain Functions, Importance and Limitations of Statistics in different fields.
11. Draw the Ogive curves from the following data

Size	10 – 20	20 – 30	30 – 40	40 – 50	50 – 60
Frequency	20	60	100	150	75

(OR)

12. Construct a suitable histogram from the following data.

Wages in Rupees	10 – 20	20 – 30	30 – 40	40 – 50	50 – 60	60 – 70	70 – 80
Frequency	60	140	110	150	120	100	90

13. Calculate Mean for the following frequency distribution.

Class interval	0 – 8	8 – 16	16 – 24	24 – 32	32 – 40	40 – 48
Frequency	8	7	16	24	15	7

(OR)

14. Explain all measured of Central Tendency.

[P.T.O]

15. Calculate Quartile Deviation from the following data.

Marks	0 – 10	10 – 20	20 – 30	30 – 40	40 – 50	50 – 60	60 – 70
No. of students	6	5	8	15	7	6	3

(OR)

16. Derive the relation between Central moments in terms of Non – Central Moments and deduce the first four central moments.

17. State and prove Boole's inequality.

(OR)

18. State and prove Bayes' theorem.

Room No: _____ Regd No: _____

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.Sc Honours (STAT, DS)	Max Marks	: 60
Subject	: Statistics	Pass Mark	: 24
Title of Paper	: Random Variables & Mathematical Expectations	Duration	: 3 Hrs
Paper Code	: R23STAT202/R23MSTAT203	Time	: 9am-12noon
W.E.F	: 2023-24	Date	: 08.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Define discrete random variable with example.

2. Define Joint probability density function.

3. State and prove multiplication theorem of expectation for two variables.

4. Write the statement of Cauchy-Schwartz inequality.

5. Define Characteristic function.

6. Define moment generating function.

7. Write the statement of central limit theorem.

8. Define strong law of large numbers.

SECTION-B

II. Answer the following Questions **5X8=40M**

9. The Probability mass function of a random variable X

X	2	4	6	8	10	12
P(x)	3a	4a	2a	a	3a	6a

Find a) constant a b) $p(x<6)$ c) $p(4<x<10)$

(OR)

10. For the following probability density function then find the constant c.

$f(x) = cx^2(1-x),\ 0<x<1$

$= 0,$ otherwise

11. Two fair dies are tossed. Let X denotes the number on the first die and y denotes the number on the second die then find joint probability distribution and find the following probabilities $p(x+y = 8)$, $p(x=y)$.

(OR)

12. Explain joint conditional probability functions with simple example.

13. Define Mathematical expectation of a random variable. State and prove addition theorem of expectations for n random variables.

(OR)

[P.T.O]

14. State and prove Chebyshev's inequality.

15. What is the effect of change of origin and scale on moment generating function.

(OR)

16. Define Cumulant generating function and state and prove any its two properties.

17. Explain week law of large numbers and write its applications.

(OR)

18. Explain central limit theorem and give its applications.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.Sc (MPC, MCCS, CBZ)	Max Marks	: 75
Subject	: Chemistry	Pass Mark	: 30
Title of Paper	: Physical And General Chemistry	Duration	: 3 Hrs
Paper Code	: CBCHE201	Time	: 9am - 12noon
W.E.F	: 2015-16	Date	: 10.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X5=25M**

1. Write a note on Raoult's law of ideal solution.

2. Give the differences between liquid crystal and solid liquid.

3. Write applications of liquid crystals.

4. Define the terms Unit cell and Lattice point.

5. Explain Enantiomers and Diastereomers with example.

6. Write any five differences between VB theory and MO theory.

7. Explain the structure of ClF_3.

8. Write a short note on E-Z configuration.

SECTION-B

II. Answer ALL the following Questions **5X10=50M**

9. Derive Vander – Waal's equation.

(OR)

10. What are liquid crystals? Write the classification of liquid crystals.

11. Give an account on Bragg's method for determination of the structure of crystals by means of x – rays.

(OR)

12. Explain the various defects in crystals.

13. Explain Nernst distribution law. Give any three applications of distribution law.

(OR)

14. What is CST? Explain Phenol – Water system.

15. Explain the following Colloidal properties

(a) Optical property (b) Electrical property

(OR)

16. Draw the MO diagrams of O_2 & CO. Give its Bond order and magnetic nature.

17. Define optical isomerism. Explain the optical isomerism of Lactic acid and tartaric acid.

(OR)

18. Explain Cahn – Ingold – Prelog rules for R.S Configuration.

Room No: _____ **Regd No:** 86

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.Sc (All Groups)	Max Marks	: 50
Subject	: Chemistry	Pass Mark	: 20
Title of Paper	: Food Adulteration	Duration	: 2 Hrs
Paper Code	: R20SDC202	Time	: 9am-11am
W.E.F	: 2020-21	Date	: 03.05.2024

SECTION-A

I. Answer any FOUR of the following Questions **4X5=20M**

1. Write short notes on food colours and sweetening agents.

2. Write short notes on Food preservatives.

3. How to detect adulterants in oil?

4. How to detect Sweetening agents in food?

5. Write a note on role of agmark, and I.S.I. Quality control laboratories?

6. Write a short note on duties and responsibilities of the food authority of India?

7. Write a note on flavor enhances and its harmful effects in human health.

8. Explain the methods for detection of adulterants in the Fruits and Vegetables.

SECTION-B

II. Answer any THREE of the following Questions **3X10=30M**

9. Write a note on Different types of food adulteration.

10. How to detect adulterants in Milk?

11. Describe the highlights of Food Safety and Standards Act 2006 (FSSAI).

12. Name few cheap substitutes used in food adulteration?

13. Explain any two methods for detection of adulterants in processed food.

Room No: _____ Regd No: 87

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.Sc (MCCS , CBZ)	Max Marks	: 60
Subject	: Chemistry	Pass Mark	: 24
Title of Paper	: Organic And General Chemistry	Duration	: 3 Hrs
Paper Code	: R20CHE201A	Time	: 9am-12noon
W.E.F	: 2022-23	Date	: 10.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Explain the halogenation reaction of Alkanes.

2. Write about the conformations of cyclohexane.

3. Explain ozonolysis in Alkenes.

4. Write a note on Diel's - Alder reaction.

5. Explain the aromaticity of cyclo propenyl cation and cyclo pentadienyl anion.

6. What are protective colloids and define gold number.

7. Draw the molecular orbital diagram for CO.

8. Write a note on specific rotation.

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Write the preparation methods of Alkanes.

(OR)

10. Explain Bayer's strain theory.

11. Explain the mechanism of Markownikoff and Anti Markownikoff addition of HBr to Alkene.

(OR)

12. Explain the following reactions of Alkynes.
i) Acidity of 1 – Alkynes ii) Hydration of Alkynes

13. Explain the mechanism of Nitration and Friedel–craft's Acylation of Benzene.

(OR)

14. Explain the Aromaticity of benzenoid and non benzenoid compounds.

15. Draw the MO diagram for N2 and explain their bond order and magnetic property.

(OR)

16. Write a note on pearson's concept of HSAB.

17. Discuss the optical isomerism of Tartaric acid.

(OR)

18. Explain D,L - and R,S - configuration with suitable examples.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.SC(MPC,MCCS,CBZ)	Max Marks	: 75
Subject	: Chemistry	Pass Mark	: 30
Title of Paper	: Organic & General Chemistry	Duration	: 3 Hrs
Paper Code	: R20CHE201	Time	: 9am – 12noon
W.E.F	: 2023-24	Date	: 10.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X5=25M**

1. Explain free radical halogenation of alkanes.
2. Write different conformations of n-butane. Explain their relative stability.
3. Explain hydroboration reaction in alkenes.
4. State Huckel's rule.. Illustrate it with suitable examples
5. What are protective colloids and define gold number.
6. Draw the molecular orbital diagram for CO.
7. Define the terms Diastereomer and enantiomer with examples.
8. Discuss EZ configuration in alkenes.

SECTION-B

II. Answer ALL the following Questions **5X10=50M**

9. Explain the conformational analysis of cyclohexane with neat energy profile diagram.

(OR)

10. Explain Bayer's Strain Theory.
11. Explain the mechanism of Markownikoff and Anti-Markownikoff addition of HBr to alkene

(OR)

12. Explain the following reactions of alkynes
    i) Acidity of 1-alkynes ii) Hydration of alkynes.
13. Explain the following electrophilic substitution reactions in benzene with mechanism. a) Friedel Craft alkylation b) nitration

(OR)

14. Define Huckel's rule and explain it in benzenoid aromatic compounds.
15. Draw the MO diagrams for N_2 and O_2 .

(OR)

16. Write a note on Pearson's concept of HSAB
17. Explain RS configuration with suitable examples.

(OR)

18. State and explain optical isomerism. Write the optical isomers of lactic acid and tartaric acid.

Room No: _____ Regd No: 89

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.SC(CHEMISTRY)	Max Marks	: 60
Subject	: Chemistry	Pass Mark	: 24
Title of Paper	: In Organic Chemistry	Duration	: 3 Hrs
Paper Code	: R23CHE202	Time	: 9am-12noon
W.E.F	: 2023-24	Date	: 08.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Explain the preparation & structure of Phosphonitrilic compounds.

2. Write a note on preparation & structure of Borazine.

3. Write a note on structures of oxides.

4. Explain the stability of various oxidation states of 3d series

5. Write a note on comparison of lanthanides and actinides.

6. Explain Actinide contraction.

7. Write a note on Binding energy.

8. Write a note on Applications of radio activity.

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Explain the structure of diborane

(OR)

10. Explain Classification, Preparation & uses of Silicones.

11. Give the Preparation and Applications of Pseudo halogen compounds.

(OR)

12. Explain the structures of ClF_3 and BrF_5

13. Explain the colour formation and complexing tendency of d-block elements

(OR)

14. Explain the catalytic & magnetic properties of d-block elements.

15. Explain Lanthanide contraction and its consequences.

(OR)

16. Write a note on colour and magnetic properties of Lanthanides.

17. Explain Binding energy, types of radio activity.

(OR)

18. Write a note on Nuclear Reactions.

Room No: _____ **Regd No** 90

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class : I B.Sc(Chemistry, Computer Science, Microbiology, Biotechnology)

Subject : Chemistry | Max Marks : 60

Title of Paper : General & Inorganic Chemistry | Pass Mark : 24

Paper Code : R23CHE201/R23MCHE203 | Duration : 3Hrs

W.E.F : 2023-24 | Time : 9am-12noon

Date : 10.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Explain Inert pair effect.

2. Write a note on Heisenberg's Uncertainity principle.

3. What is Lattice Energy? Give any two factors effecting it.

4. Describe Born-Haber Cycle.

5. Write the hybridisation and geometry of PCl_5 molecule.

6. Discuss Molecular orbital theory in detail.

7. What is Hydrogen bonding? Explain with Acetic acid.

8. Define Lewis acids and bases with examples.

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Explain Bohr's theory in detail.

(OR)

10. Define Electron affinity and Electro negativity and write a note on its measurement methods.

11. Discuss the various factors effecting the formatin of ionic compounds.

(OR)

12. Explain polarisation and Sody-Fajan's rule.

13. Explain VSEPR Theory in detail and describe NH_3 using it.

(OR)

14. Draw the Molecular orbital diagrams for O_2 and CO.

15. Write a note on Band theory of metals.

(OR)

16. Differentiate Inter molecular and Intramolecular Hydrogen Bonding and discuss Ethanol.

17. Write a note on Arhenius Acid Base theory.

(OR)

18. Describe Pearson's concept and HSAB Principle.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.Sc (CBZ)	Max Marks	: 60
Subject	: Botany	Pass Mark	: 24
Title of Paper	: Basics of Vascular Plants And PhytoGeography	Duration	: 3 Hrs
Paper Code	: R20BOT201A	Time	: 9am - 12noon
W.E.F	: 2022-23	Date	: 07.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Lycopodium stem T.S.

2. Heterospory

3. Economic importance of Gnetum.

4. Geological time scale.

5. ICBN rules.

6. Binomial Nomenclature.

7. Floral characters of Annonaceae.

8. Myrmicophily

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Describe the Ptredophyta general characters and classification.

(OR)

10. Stelar evolution in Pteredophytes.

11. General characters and classification of Gymnosperms.

(OR)

12. Write a brief account on Cycodeoida.

13. Bentham and Hooker system of Classification.

(OR)

14. Description and economic importance of Cucurbitaceae.

15. Write about the floral characters and economic importance of Asteraceae.

(OR)

16. Write about the floral characters and economic importance of Asclepiadaceae.

17. Phytogeographical regions of World.

(OR)

18. Vegetation types in Andhra Pradesh

Room No: _____ **Regd No:** 92

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.Sc (CBZ)	Max Marks	: 60
Subject	: Zoology	Pass Mark	: 24
Title of Paper	: Biology of Chordates	Duration	: 3 Hrs
Paper Code	: R20ZOO201A	Time	: 9am - 12noon
W.E.F	: 2022-23	Date	: 08.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Cephalochordate

2. Dipnoi Fishes

3. Chelonia

4. Brain in Reptilia

5. Quil feather

6. Altitudinal migration

7. Structure of Tooth

8. Marsupials

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Explain the life history of Herdmania

(OR)

10. Explain retrogressive metamorphosis with reference to Herdmania.

11. Describe the structure of heart of Scoliodon.

(OR)

12. Write an essay on migration in Fishes.

13. Write an essay on general characters of Reptilia.

(OR)

14. Describe the structure and functions of Heart of Calotes.

15. Write an essay on Digestive system of Pigeon.

(OR)

16. Write an essay on Flight adaptations in Birds.

17. Compare the characters of Metatheria and Eutheria.

(OR)

18. Write an essay on Dentition in Mammals.

Room No: _____ **Regd No:** 93

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.SC(DS)	Max Marks	: 60
Subject	: Statistics	Pass Mark	: 24
Title of Paper	: Descriptive Statistics	Duration	: 3 Hrs
Paper Code	: R23DSSTAT201	Time	: 9am-12noon
W.E.F	: 2023-24	Date	: 07.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Explain scope of statistics in different fields.
2. Explain about Sheppard's correction for moments.
3. Explain Legendre's principle of least squares.
4. Define Correlation and explain types of Correlation.
5. Explain Regression Analysis.
6. What is the difference between Correlation and Regression Analysis.
7. Explain Class and Class frequencies.
8. Define and explain Mean Square Contingency.

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Explain the various methods of collecting primary data.

(OR)

10. Calculate the Median wage of the following distribution.

Wages (in Rs.)	20 – 30	30 – 40	40 – 50	50 – 60	60 – 70
No. of Labourers	3	5	20	10	5

11. Derive the relation between Central and Non - Central Moments.

(OR)

12. Calculate the Standard Deviation for the following table giving the age distribution of 542 members.

Age in years	20 – 30	30 – 40	40 – 50	50 – 60	60 – 70	70 – 80	80 – 90
No.of members	3	61	132	153	140	51	2

13. Explain fitting of a second degree polynomial (or) parabola of the form $y = a + bx + cx^2$.

(OR)

[P.T.O]

14. Calculate Karl Pearson's Correlation Co efficient between X & Y for the following data

X	1	3	4	5	7	8	10
Y	2	6	8	10	14	16	20

15. Derive the equation of regression line of Y on X.

(OR)

16. Obtain the two regression equations from the following data.

X	6	2	10	4	8
Y	9	11	5	8	7

17. Define Independence of attributes and explain criteria of independence.

(OR)

18. Given N = 23,713, (A) = 1618, (B) = 2015, (C) = 770, (AB) = 587, (AC) = 428, (BC) = 335, (ABC) = 156. Find the remaining class frequencies.

Room No: _____ Regd No: 95

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.SC(Microbiology)	Max Marks	: 60
Subject	: Microbiology	Pass Mark	: 24
Title of Paper	: Bacteriology & Virology	Duration	: 3 Hrs
Paper Code	: R23MB202	Time	: 9am-12noon
W.E.F	: 2023-24	Date	: 08.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Metagenomics
2. Phylogenetic Classification
3. Methanogens
4. Clostridia
5. Heiararchy of ICTV nomenclature.
6. HIV
7. Viruses in Ecosystem
8. Oncogenic Viruses

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Describe the Ultra structure of Bacterial cell.

(OR)

10. Discuss about the introduction of Prokaryotic diversity and taxonomy.

11. Explain the salient features of Photosynthetic Bacteria.

(OR)

12. Explain the salient features of Fermentative Bacteria.

13. Explain about the discovery of viruses and their general properties.

(OR)

14. Give a detailed on the cultivation of Viruses.

15. Write the general features of viral replication.

(OR)

16. Write about the Replication of given below

(A) TMV (B) Influenza

17. What are the defective viruses? Explain about Viroids, Prions.

(OR)

18. Write about the applications of Biotechnology.

Room No: _____ Regd No 96

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.Sc(Microbilogy)	Max Marks	: 60
Subject	: Microbiology	Pass Mark	: 24
Title of Paper	: Introduction To Microbiology	Duration	: 3Hrs
Paper Code	: R23MB201	Time	: 9am-12noon
W.E.F	: 2023-24	Date	: 09.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Explain the characteristics of Archaea bacteria.
2. Discuss the vegetative reproduction in Algae.
3. Explain the cell structure of Protozoa.
4. Write about simple staining.
5. Discuss the three-domain concept Carl Woese.
6. Discuss the nutrition and habitat of Fungi.
7. Write an account of the discovery of Penicillin.
8. Discuss the silent features of Charak Samhita

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Write an account of the golden era of Microbiology.

(OR)

10. Discuss the major contributions of eminent scientists in the field of Microbiology?
11. Write an account of Whittaker five kingdom classification?

(OR)

12. Discuss the Scope and applications of Microbiology?
13. Explain general characteristics and reproduction of Bacteria?

(OR)

14. Write an account general characteristic of Viruses?
15. Explain the modes of reproduction in Bacteria?

(OR)

16. Explain the locomotion and reproduction in Protozoa?
17. Explain the identification of Bacteria through staining?

(OR)

18. Write an account on isolation bacteria through pure culture techniques?

Room No: _____ **Regd No** 97

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.Sc(Biotechnology)	Max Marks	: 60
Subject	: Biotechnology	Pass Mark	: 24
Title of Paper	: Microbiology & Cell Biology	Duration	: 3Hrs
Paper Code	: R23BT202	Time	: 9am-12noon
W.E.F	: 2023-24	Date	: 08.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Explain the postulates of Robert Koch?

2. Write an account on the structure of TMV?

3. Discuss the structure and functions of Mitochondria?

4. Explain the chemical composition of Membrane?

5. Discuss the types of DNA damage?

6. Explain the steps of transcription?

7. Explain GPCR receptor?

8. Explain the contributions of Alexander Fleming?

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Explain the chemical methods of sterilization?

(OR)

10. Describe the ultrastructure of bacteria and growth curve?

11. Write an essay on classification of bacteria based on morphology?

(OR)

12. Explain the general characteristics of and transmission of Viruses?

13. Write an essay mitosis and their stages?

(OR)

14. Explain cell cycle and its regulations?

15. Explain Cell Surface Receptors?

(OR)

16. Discuss the dynamic nature of the membrane by fluid mosaic model?

17. Explain Eukaryotic genomic organization?

(OR)

18. Give a brief account on Enzymes involved in DNA replication?

Room No: _____ Regd No: 98

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.SC(Biotechnology)	Max Marks	: 60
Subject	: Botany	Pass Mark	: 24
Title of Paper	: Biomolecules & Analytical Techniques	Duration	: 3 Hrs
Paper Code	: R23BT201	Time	: 9am-12noon
W.E.F	: 2023-24	Date	: 09.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Phospholipids
2. Saturated Fatty Acids
3. Water soluble vitamins
4. Affinity chromatography
5. Crystallography
6. Autoradiography
7. Isoelectric focusing
8. Free energy

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. What are Proteins? Explain the structural organization of Proteins.

(OR)

10. Define Carbohydrates. Write the classification of Carbohydrates in detail.
11. Write the Structures and functions of DNA and RNA.

(OR)

12. Explain the Electron Transport Chain.
13. What is Chromatography? Explain the Paper Chromatography with neat labeled diagrams.

(OR)

14. Write the Principles and applications of Differential Centrifugation.
15. What is Beer Lambert's law? Discuss the design and applications of UV Visible Spectrophotometer.

(OR)

16. What is Electrophoresis? Explain the types of Electrophoresis in detail.
17. Explain the Design, Principle and Applications of Compound Microscope

(OR)

18. Explain the concept of Measurement of Radioactivity and Scintillating counting.

Room No: _____ **Reg No:** 99

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.VQC(SD)	Max Marks	: 60
Subject	: Computer Science	Pass Mark	: 24
Title of Paper	: Front End Web Development	Duration	: 3 Hrs
Paper Code	: R23BV201	Time	: 9am-12noon
W.E.F	: 2023-24	Date	: 07.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. What is Web ? Explain its applications.

2. What is Hyperlink? Explain about Hyperlinks in HTML.

3. Explain about CSS structure with example.

4. What is a selector in CSS? Explain the classification of selectors in CSS.

5. Write a note on variable in Java script.

6. How to install Boot strap in our web project.

7. Write structure of DOM in Java script.

8. What is Java script? Explain its role in web development

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Explain the structure of HTML code with an example.

(OR)

10. Explain briefly about text formatting lags in HTML.

11. What is CSS? In how many ways we can include CSS in our web page explain with example.

(OR)

12. Write a note on CSS Box Model with a example.

13. What are the data types supported by Java Script.

(OR)

14. What are the control statements in Java script.

15. Write a note on Boot strap Grid system.

(OR)

16. Write about Boot strap classes.

17. Write a note on Java script Event handling.

(OR)

18. Explain Form validation in Java script.

Room No: _____ Regd No: 100

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class	: I B.Voc (Software Development)	Max Marks	: 60
Subject	: Computer Science	Pass Mark	: 24
Title of Paper	: Database Management System	Duration	: 3 Hrs
Paper Code	: R23BV202	Time	: 9am – 12noon
W.E.F	: 2023-24	Date	: 08.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. What is Database Management System?
2. Explain about the Classification of DBMS.
3. Write about IS A relationship and attribute inheritance?
4. Write about the advantages of ER Model?
5. Explain about Various types of keys.
6. Explain about Commit and Rollback commands
7. Explain about aggregate functions.
8. Write the steps to create a PL/SQL program.

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Explain about the drawbacks of traditional File Processing System.

(OR)

10. Explain about different types of Data Models.

11. What is attribute? Explain about Classification of attribute.

(OR)

12. What is EER Model? Explain basic concepts of EER Model.

13. Explain about Relational Calculus in DBMS.

(OR)

14. What is normalization? Explain 1NF, 2NF and 3NF with examples.

15. Explain about DML Commands.

(OR)

16. Explain about joining database tables with example.

17. Explain about conditional control statement in PL/SQL.

(OR)

18. Briefly explain about triggers in PL/SQL.

Room No: _____ Regd No 101

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.Sc(Data Science), BCA, B.Voc(SD)	Max Marks	: 60
Subject	: Computer Science	Pass Mark	: 24
Title of Paper	: Introduction to DataScience & R-Programming	Duration	: 3Hrs
Paper Code	: R23DSCSC202/R23MBCA203/R23MBV203	Time	: 9am-12noon
W.E.F	:2023-24	Date	: 10.05.24

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. What is Machine Learning? Write Its Applications?

2. Explain Data Preparation and Exploration?

3. Write about Data Frames in R?

4. Write a note on Strings in R?

5. Write about CSV File?

6. Explain bar charts in R?

7. Write about Line Graphs in R?

8. Write a short note on Melting and Casting?

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Explain in detail about Data Modeling?

(OR)

10. Explain about Different types of Machine Learning?

11. Explain about R - Functions?

(OR)

12. Explain about Vector and Its Operations?

13. Give a brief account on Excel Files?

(OR)

14. Explain about application of NA and Trim Options in R?

15. Explain Scatterplots in R?

(OR)

16. Discuss about Boxplots in R?

17. Explain Data Reshaping in R?

(OR)

18. How to load a Package to the Library? Explain?

Room No: _____ **Regd No:** 102

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.Sc (MPCS,MECS,MSCS,MCCS)	Max Marks	: 60
Subject	: Computer Science	Pass Mark	: 24
Title of Paper	: Programming With Java	Duration	: 3 Hrs
Paper Code	: R20CSC201A	Time	: 9am - 12noon
W.E.F	: 2022-23	Date	: 09.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Explain about Structure of Java program?

2. Explain about data types in Java?

3. How can we create a class and object in Java with an example?

4. Explain about Method Overloading?

5. Explain how Multiple Inheritances through Interface with example?

6. What is a package? How to add a class or an interface to a package.

7. What is an Applet? Write a program to display"hello java "message?

8. Explain procedure to create and run Applet?

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Explain different types of Operators in Java?

(OR)

10. Explain features of Java?

11. Explain various Control Structure in Java?

(OR)

12. Explain different types of Arrays with example?

13. Explain different type of Inheritance in Java?

(OR)

14. Explain procedure to create user defined packages with example?

15. What is a Thread? Explain Thread Life cycle in detail?

(OR)

16. Explain Exception Handling in detail?

17. What is Applet? Write a program using Applet Tag.

(OR)

18. Explain about Life Cycle of Applet in detail?

Room No: _____ **Regd No:** 103

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.Com (Gen, TP, Log), BBA , B.Sc (MPC/CBZ)	Max Marks	: 50
Subject	: Computer Science	Pass Mark	: 20
Title of Paper	: Information And Communication Technology	Duration	: 2 Hrs
Paper Code	: R20LSC201	Time	: 9am - 11 am
W.E.F	: 2020-21	Date	: 01.05.2024

SECTION-A

I. Answer any FOUR of the following Questions **4X5=20M**

1. What are the applications of Internet?

2. Write about Face book.

3. Write about Google Drive.

4. Write about virtual labs.

5. Describe copy write issues.

6. Explain what's app.

7. Explain message components in email.

8. Explain about Digital signature.

SECTION-B

II. Answer any THREE of the following Questions **3X10=30M**

9. Explain different types of web browsers.

10. Explain about fire walls.

11. Define URL and explain about components of URL.

12. Explain about advantages and disadvantages of E-mail.

13. Write the steps for creating Google Forms.

Room No: _____ **Regd No:** 104

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.SC(MPCS,MSCS,MECS,MCCS)	Max Marks	: 75
Subject	: Computer Science	Pass Mark	: 30
Title of Paper	: Programming With Java	Duration	: 3 Hrs
Paper Code	: R20CSC201	Time	: 9am-12noon
W.E.F	: 2023-24	Date	: 09.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X5=25M**

1. Difference between Java and 'C'.

2. Explain about Java tokens.

3. Decision Making with if statement.

4. Explain enumerated types.

5. Explain visibility controls in Java.

6. Explain Multiple inheritance.

7. Explain Building Applet code.

8. Adding Applet to HTML file.

SECTION-B

II. Answer ALL the following Questions **5X10=50M**

9. Explain in detail about Java features.

(OR)

10. Explain different types of operators in Java.

11. Explain about constructors with examples.

(OR)

12. Explain about methods over loading.

13. What is vector? Explain vector class methods with example.

(OR)

14. Explain about Java API packages.

15. What is thread? Explain thread life cycle methods with examples.

(OR)

16. What is Exception? How can we define user defined exception with example.

17. Explain Applet life cycle with example.

(OR)

18. Explain procedure to create and run Applet.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.Voc (WT,IT)	Max Marks	: 60
Subject	: Computer Science	Pass Mark	: 24
Title of Paper	: Data Communications	Duration	: 3 Hrs
Paper Code	: R20WSDC201A/R20ITDC201A	Time	: 9am - 12noon
W.E.F	: 2022-23	Date	: 10-05-2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Explain Data Communication and its components

2. Explain analog versus digital signals

3. Explain about Block coding

4. Explain about TDM and FDM

5. Explain efficiency and delay in Virtual Circuit Networks

6. Explain about Layered Tasks in network models

7. Explain about serial transmission modes

8. Explain three phases of Virtual Circuit Network.

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Write about Addressing in Networks

(OR)

10. Explain about OSI model

11. Write about periodic Analog signal

(OR)

12. Explain about Analog and Digital signals

13. Explain about Pulse code modulation

(OR)

14. Explain about Transmission modes

15. Explain Digital to analog conversion with neat diagram

(OR)

16. Explain about Spread Spectrum

17. Explain different types of Guided media

(OR)

18. Explain about wireless transmission mediums.

Regd No:_____ **Room No:** 106

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II SEMESTER END EXAMINATIONS

Class	: I B.Sc (MPC,CBZ)/B.Com(GEN,TP,LOG)/BBA	Max Marks	: 75
Subject	: Computers	Pass Mark	: 30
Title of Paper	: Computer Based Documentation	Duration	: 3 Hrs
Paper Code	: CBICF201A	Paper Time	: 9am - 12noon
W.E.F	: 2018-19	Date	: 10.05.2024

SECTION – A

I. Answer any FIVE Of the following questions. **5X5=25M**

1. Explain Views in PowerPoint.
2. Explain Page setup in MS-WORD.
3. Explain TABLE in MS-WORD.
4. Explain Parts of MS-WORD Window.
5. How to insert new slide in PowerPoint? Explain.
6. How to insert a text and Table in PowerPoint? Explain.
7. Explain Custom Animation in PowerPoint.
8. Explain Macro.

SECTION –B

II. Answer ALL the following Questions **5X10=50M**

9. **(a)** Explain procedure to create PowerPoint Presentation.

(OR)

(b) Explain about Slide Animation and Transitions.

10. **(a)** Write the features of MS-WORD.

(OR)

(b) Write the procedure to create HEADER and FOOTER in MS-WORD.

11. **(a)** Explain the Mail Merge with example.

(OR)

(b) Explain Different Views in MS-WORD.

12. **(a)** How to apply Animation effects and time into a Slide? Explain.

(OR)

(b) Explain steps to create sound rehearsing and recording transitions timings in a Slide.

13. **(a)** Explain about Links in MS-WORD.

(OR)

(b) Explain Graphics in MS-WORD.

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Regd No: _____ **Room No:** 107

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II - SEMESTER END EXAMINATIONS

Class	: I BCA/I B.Sc (DS, IOT)	Max Marks	: **75**
Subject	: Computer Science	Pass Mark	: 30
Title of Paper	: Data Structures	Duration	: 3 Hrs
Paper Code	: R20BCA202/ R20DS201/R20IOT201	Time	: 9am-12noon
W.E.F	: 2020-21	Date	: 09.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X5=25M**

1. What is a Data Structure? Explain Data Structure operations.
2. Explain Bubble sort with an example.
3. Explain the concept of Insertion Sort.
4. Explain Stack and its operations.
5. Explain Polish notation with an example.
6. Explain the tower of Hanoi.
7. Draw and explain linked representation of stacks.
8. Define graph, draw different types of graphs.

SECTION-B

II. Answer ALL the following Questions **5X10=50M**

9. a) Explain the concept of binary search with an example.

(OR)

b) Write a program to search an element using linear search.

10. a) Write a C program for Insertion Sort.

(OR)

b) Explain Quick Sort with example.

11. a) Explain Stack using Arrays.

(OR)

b) Explain Insertion, Deletion, Traversing and Searching in linked list.

12. a) Write a C program to implement Stack using linked list.

(OR)

b) Write a C program to implement Queue using linked list.

13. a) Explain DFS algorithm with example.

(OR)

b) Write an algorithm for BFS with example.

Room No: _____ Regd No: 108

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.Voc (WT)	Max Marks	: 75
Subject	: Computer Science	Pass Mark	: 30
Title of Paper	: Data Communications	Duration	: 3 Hrs
Paper Code	: R20WSDC201	Time	: 9am - 12noon
W.E.F	: 2019-20	Date	: 10.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X5=25M**

1. Define Data Communications and explain various components of Data Communications

2. Differentiate Analog Signals with Digital Signals

3. Define the terms (i) Composite Signal (ii) Bandwidth

4. Discuss about Delta Modulation

5. Write about Block Coding

6. Explain about Quadrature Amplitude Modulation

7. Describe FDM and TDM

8. Write a short note on Circuit Switched Networks

SECTION-B

II. Answer ALL the following Questions **5X10=50M**

9. Briefly discuss about functionalities of various layers in OSI model

(OR)

10. Define Topology. Explain various Topologies with their merits and demerits

11. Explain Transmission Impairment

(OR)

12. Explain the properties of Periodic Analog signal

13. Explain various Line Coding Schemes

(OR)

14. Explain different Transmission Modes

15. Explain the Process of Converting Digital Data to Analog Signal

(OR)

16. Write a short note on Spread Spectrum

17. Briefly discuss about Guided Transmission Media

(OR)

18. Write a short note on Wireless Transmission Medium

Room No: _____ **Regd No** 109

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.Voc (WT)	Max Marks	: 75
Subject	: Computer Science	Pass Mark	: 30
Title of Paper	: 'C' Programming	Duration	: 3Hrs
Paper Code	: R20WSCP201/WSCP201/CBCSC201	Time	: 9am – 12noon
W.E.F	: 2022-23	Date	: 09.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X5=25M**

1. Define Variable? Explain working with variables?
2. Write about data types in C?
3. Explain about switch statement with an example program?
4. Write a short note on Recursive Functions?
5. Briefly explain advantages of Arrays?
6. Write a short note on character strings?
7. Explain operations on pointers?
8. Define File? Explain how to create a file in C?

SECTION-B

II. Answer ALL the following Questions **5X10=50M**

9. Explain Assignment Operators with an example program?

(OR)

10. Explain Structure of C Program?
11. Explain Looping Statements?

(OR)

12. Explain working with Functions in C?
13. What is array? Explain working with Arrays?

(OR)

14. Explain about String Functions?
15. Explain working with Structures in C?

(OR)

16. Explain the differences between Pointers and Arrays?
17. Explain different file opening modes?

(OR)

18. Write about File Manipulating Functions?

Room No: _____ **Regd No:** 110

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.Sc(MPC,MPCS,MSCS,MECS,MCCS)	Max Marks	: 75
Subject	: Mathematics	Pass Mark	: 30
Title of Paper	: Solid Geometry	Duration	: 3 Hrs
Paper Code	: R20MAT201	Time	: 9am-12noon
W.E.F	: 2023-24	Date	: 07.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X5=25M**

1. Find the equation of the plane passing through the point (1,0,-2) and perpendicular to the planes $2x + y - z = 2$ *and* $x - y - z = 3$.

2. Prove that the equation of the plane through the points (1,-2,4)and (3,-4,5) and parallel to x-axis is $y + 2z = 6$.

3. Find the foot of the perpendicular from the point (1,2,3) in the plane $x + 2y + 3z + 4 = 0$.

4. Find the equation of the line through the point (1,1,1) and intersecting the lines $2x - y - z - 2 = 0 = x + y + z - 1 ; x - y - z - 3 = 0 = 2x + 4y - z - 4$..

5. Find the equation of the spheres passing through the circle $x^2 + y^2 = 4, z = 0$ and is intersected by the plane $x + 2y + 2z = 0$ in circle of radius 3.

6. Find the plane of contact of the point (3,-1,5) w.r.t the sphere $x^2 + y^2 + z^2 - 2x + 4y + 6z - 11 = 0$

7. Find the equation of the lines of intersection of the plane $2x + y - z = 0$ and the cone $4x^2 - y^2 + 3z^2 = 0$.

8. Find the enveloping cone of the sphere $x^2 + y^2 + z^2 + 2x - 2y - 2 = 0$ with the vertex at (1,1,1).

SECTION-B

II. Answer ALL the following Questions **5X10=50M**

9. A variable plane is at a constant distance p from the origin and meets the axis in A,B,C show that the locus of the centroid of the tetrahedron OABC is $x^{-2} + y^{-2} + z^{-2} = 16p^{-2}$

(OR)

10. Find the bisecting plane of the acute angle between the planes

$3x - 6y + 2z + 5 = 0, 4x - 12y + 3z - 3 = 0.$

11. Prove that the lines $\frac{x-1}{2} = \frac{y-2}{3} = \frac{z-3}{4}, \frac{x-2}{3} = \frac{y-3}{4} = \frac{z-4}{5}$ are coplanar . Also find their point of intersection and plane containing the lines

(OR)

[P.T.O]

12. Find the image of the line $\frac{x-1}{9} = \frac{y-2}{1} = \frac{z+3}{-3}$ in the plane $3x - 3y + 10z - 26 = 0$.

13. Show that the plane $2x - 2y + z + 12 = 0$ touches the sphere

$x^2 + y^2 + z^2 - 2x - 4y + 2z - 3 = 0$ and find the point of contact.

(OR)

14. show that the two circles $x^2 + y^2 + z^2 - y + 2z = 0, x - y + z - 2 = 0$; $x^2 + y^2 + z^2 + x - 3y + z - 5 = 0, 2x - y + 4z - 1 = 0$ lie on the same sphere and find its equation.

15. If r_1, r_2 are the radii of two orthogonal spheres then prove that the radius of the circle of their intersection is $\frac{r_1 r_2}{\sqrt{r_1^2 + r_2^2}}$.

(OR)

16. Find the limiting points if the coaxal system defined by spheres

$x^2 + y^2 + z^2 + 4x - 2y + 2z + 6 = 0$; $x^2 + y^2 + z^2 + 2x - 4y - 2z + 6 = 0$.

17. Find the vertex of the cone $2x^2 + 2y^2 + 7z^2 - 10yz - 10zx + 2x + 2y + 26z - 17 = 0$.

(OR)

18. Find the equation of the right circular cone whose vertex is p $(2, -3, 5,)$, axis PQ whose makes equal angles with the axis and which passes through A (1,-2,3).

Room No: _____ Regd No: 112

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.SC(DS,MSCS)	Max Marks	: 75
Subject	: Statistics	Pass Mark	: 30
Title of Paper	: Probability Theory & Statistics	Duration	: 3 Hrs
Paper Code	: R20STAT201/R20DSSTAT201	Time	: 9am - 12noon
W.E.F	: 2023-24	Date	: 08.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X5=25M**

1. Define and explain Statistical Probability.

2. Define Random Experiment and Favourable number of cases.

3. Define Probability mass function and Probability density function.

4. Explain the types of Random Variable.

5. Define and explain the moment generating function.

6. Explain the concept of Covariance in terms of expectations.

7. Define Geometric distribution and derive its mean.

8. Define and explain Rectangular distribution.

SECTION-B

II. Answer ALL the following Questions **5X10=50M**

9. State and prove Bayes' theorem.

(OR)

10. State and prove Addition theorem and Multiplication theorem for 2 events.

11. Define and explain distribution function and mention its properties.

(OR)

12. Explain joint, marginal probability density functions and conditional probability function for continuous random variable.

13. State and prove Chebyshev's inequality.

(OR)

14. Explain Cumulant Generating function (CGF) and also explain its properties.

15. Define Binomial distribution and derive its M.G.F., Mean and Variance.

(OR)

16. Define Hyper Geometric Distribution and derive its mean and variance.

17. Define Normal distribution and explain its important characteristics.

(OR)

18. Define Exponential distribution and derive its mean and variance.

Room No: _____ **Regd No:** 113

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.Sc (MSCS,DS)	Max Marks	: 60
Subject	: Statistics	Pass Mark	: 24
Title of Paper	: Probability Theory And Distribution	Duration	: 3 Hrs
Paper Code	: R20STAT201A/R20DSSTAT201A	Time	: 9am - 12noon
W.E.F	: 2022-23	Date	: 08.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. State and Prove additional theorem of probability for 2 events

2. Explain about Axioms of probability

3. Define probability mass function and probability density function

4. Define Bi-variate random function

5. State and prove additional theorem on Expectation

6. Derive the mean and variance of Geometric distribution.

7. State and Prove additive property of Poisson distribution.

8. State and Prove Memory less property of Exponential distribution.

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. State and prove Boole's inequality

(OR)

10. State and prove the Multiplication theorem of probability for n events

11. Explain about distribution function and its properties

(OR)

12. A random variable X has the following probability function
Find (i) k
(ii) mean and variance

X	-2	-1	0	1	2	3
P(X)	0.1	K	0.2	2K	0.3	K

13. State and prove Chebyshev's inequality

(OR)

14. Define Moment generating function and Explain its properties

15. Derive the mean and variance of Poisson distribution through M.G.F

(OR)

16. Derive the mean and variance of hyper-geometric distribution

17. Derive the mean and variance of Normal distribution

(OR)

18. Show that Binomial distribution tends to Normal distribution.

Room No: _____ Regd No: 114

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.Voc (WT)	Max Marks	: 60
Subject	: Mathematics	Pass Mark	: 24
Title of Paper	: Discrete Mathematics-II	Duration	: 3 Hrs
Paper Code	: R20WSDM201A	Time	: 9am - 12noon
W.E.F	: 2022-23	Date	: 07.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. If $y = 5 + 3x - 2$ find the values of y corresponding to $x = -3,-2,-1,0,1,2,3$?

2. Sketch the graph of $f(x) = x^2 + x - 6$ for $x = -3,-2,-1,0,1,2,3$?

3. The sum of two numbers is 28 and their different is 12 find the numbers?

4. Solve the equations $5x + 2y = 3, 2x + 3y = -1$?

5. Show that $(\mu \cap A) \cup (B \cap A) = A$

6. Evaluate $f(A)$ for the polynomial $f(x) = 2x^3 - 4x + 5$ where $A = \begin{pmatrix} 1 & 2 \\ 4 & -3 \end{pmatrix}$?

7. Define term Lattice and sub-lattice?

8. Define Boolean algebra with examples?

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Prove by mathematical induction that for all integers n, $1^2 + 2^2 + --- + n^2 \ \frac{n(n+1)(2n+1)}{6}$?

(OR)

10. Prove by mathematical induction that for all integers n, $1 + 2 + 3 + --- + n = \frac{n(n+1)}{2}$?

11. Find the formula for the inverse of $h(x) = \frac{2x-3}{5x-7}$?

(OR)

12. If $f: A \to B$, $g: B \to C$ are two bijections then prove that $gof: A \to C$ is also bijection?

13. Using Crammer rule solve the system of equations

$2x + y + z = 3, x + y + z = 3, x - 2y - 3z = 4$?

(OR)

14. Find the inverse of $\begin{pmatrix} 1 & -2 & 2 \\ 3 & -3 & 6 \\ 1 & 1 & 7 \end{pmatrix}$ by using row operations?

[P.T.O]

15. If L be a lattice then $a \wedge b = a <=> a \vee b = b$

(OR)

16. A Lattice $(L, \leq)$ is a distributive then show that $a(b \wedge c) = (a \vee b) \wedge (a \vee c)$ for all $a, b, c \in L$

17. Explain about Boolean algebra with three logic gates?

(OR)

18. Verify that the preposition $p \vee [\sim (p \wedge q)]$ is tautology?

Room No: _____ Regd No: 116

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.Sc (MPC,MPCS,MECS,MSCS,MCCS)	Max Marks	: 60
Subject	: Mathematics	Pass Mark	: 24
Title of Paper	: Solid Geometry	Duration	: 3 Hrs
Paper Code	: R20MAT201A	Time	: 9am-12noon
W.E.F	: 2022-23	Date	: 07.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Find the equation of the plane passing through the points (2,2,-1) , (3,4,2) , (7,0,6)
2. Find the angle between the planes $2x - y + z = 0 , x + y + 2z = 7$
3. Find the image of the point P(1,3,4) in the plane $2x - y + z + 3 = 0$
4. Find the equation of the line through the point (1,2,4) and parallel to the line $3x + 2y - z = 4 , x - 2y - 2z = 5$
5. Find the equation of the sphere through (0,0,0) and making intercepts a,b,c on the axis
6. Find the equation of the sphere passing through the circle $x^2 + y^2 + z^2 = 4 , z = 0$ and is intersected by the plane $x + 2y + 2z = 0$ in acircle of radius 3.
7. Find the general equation of the cone whose vertex is (1,2,3)and base curve $y^2 = 4ax , z = 0$
8. Find the equation to right circular cone whose vertex is origin, axis as the line $x = t , y = 2t, z = 3t$ and whose semi-vertical angle is 60°

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. A variable plane is at a constant distance 3p from origin meets the axes in A,B,C. Show Pthat the locus of the triangle ABC is $x^{-2} + y^{-2} + z^{-2} = p^{-2}$

(OR)

10. Show that $6x^2 + 4y^2 - 10z^2 - 11xy + 3yz + 4zx = 0$ represents a pair of planes and find the angle between them.

11. A variable plane makes intercepts on the coordinate axes the sum of whose squares constant and equal to k2. Find the locus of the foot of the perpendicular from the origin to the plane.

(OR)

12. Find the S.D and equation of line of shortest distance between the lines $\frac{x-3}{3} = \frac{y-8}{-1} = \frac{z-3}{1} , \frac{x+3}{-3} = \frac{y+7}{2} = \frac{z-6}{4}$

13. Show that the two circles $x^2 + y^2 + z^2 - y + 2z\ 0 , x - y + z = 2 , x^2 + y^2 + z^2 + x - 3y + z - 5 = 0 , 2x - y + 4z - 1 = 0$ lie on the same sphere and find its equation.

(OR)

14. Show that the four points (-8,5,2) , (-5,2,2) , (-7,6,6) , (-4,3,6) are concyclic

[P.T.O]

15. If two spheres of radius r_1 *and* r_2 cut orthogonally, show that the radius of the common circle is $\frac{r_1 r_2}{\sqrt{r_1^2 + r_2^2}}$

(OR)

16. Find the vertex of the cone $7x^2 + 2y^2 + 2z^2 - 10zx + 10xy + 26x - 2y + 2z - 17 = 0$

17. Prove that the equation $\sqrt{fx} \pm \sqrt{gy} \pm \sqrt{hz} = 0$ represents a cone that touches the coordinate planes and that the equation to reciprocal cone is $fyz + gzx + hxy = 0$

(OR)

18. Find the equation to right circular cone whose vertex is P=(2,-3,5) , axis PQ which makes equal angles with the axes and which passes through A=(1,-2,3)

Room No: _____ Regd No: 118

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class : I B.Sc (MSCS)
Subject : Statistics
Title of Paper : Mathematical Expectation And Probability Distributions
Paper Code : CBSTT201/DSMEPD201
W.E.F : 2016-17

Max Marks : 75
Pass Mark : 30
Duration : 3 Hrs
Time : 9am-12noon
Date : 08.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X5=25M**

1. State and prove Cauchy – Schwartz inequality.

2. A random variable X has the following probability function

Values of X = x	-2	-1	0	1	2	3
p(x)	0.1	K	0.2	2k	0.3	K

Find the value of k.

3. Derive the M.G.F. of Poisson distribution.

4. The mean of Binomial distribution is 4 and variance is 3 then find the values of n,p,q.

5. Define and explain the negative Binomial Distribution.

6. Derive the M.G.F. of Rectangular distribution.

7. Give the important properties of Normal distribution.

8. Define and explain the Cauchy distribution.

SECTION-B

II. Answer ALL the following Questions **5X10=50M**

9. Define Characteristic function. State and prove Chebyshev's inequality.

(OR)

10. State and prove Addition theorem of Expectation.

11. Show that Poisson distribution as a limiting case of Binomial distribution.

(OR)

12. Derive the M.G.F., Mean and Variance of Binomial distribution.

13. Define Geometric distribution. Derive its M.G.F, Mean and Variance.

(OR)

14. Define Hyper Geometric Distribution. Show that Binomial Distribution as a limiting case of Hyper Geometric Distribution.

15. Define Exponential Distribution. Derive its M.G.F, Mean and Variance.

(OR)

16. Define Gamma Distribution. Derive its M.G.F and hence find Mean and Variance.

17. Define Normal Distribution and hence find its M.G.F.

(OR)

18. Show that a linear combination of independent normal variates is also a normal variate.

Room No: _____ Regd No: 1109

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I BCA/B.Voc (IT, WT)	Max Marks	: 75
Subject	: Mathematics	Pass Mark	: 30
Title of Paper	: Discrete Mathematics	Duration	: 3 Hrs
Paper Code	: R20WSDM201/WSCMAT201/ITCMAT201/CBCMAT201A	Time	: 9am - 12noon
W.E.F	: 2016-17 WSDM201	Date	: 07.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X5=25M**

1. If $y = x^3 + 2x^2 - 7x - 3$, then find the values of y corresponding to $x = -3$ to 3

2. Solve the equations $x + y + z = 6, x - y + z = 2, 2x - y + 3z = 9$

3. Let the functions f & g defined by $f(x) = 2x + 1, g(x) = x^2 - 2$

Find (i) $(gof)4)$ (ii) $(fog)(4)$

4. Draw the venn diagrams of $A \cap B^c$ and $(A \cap B) \cup (A \cup C)$

5. If $\begin{vmatrix} 1 & 0 & 0 \\ 2 & 3 & 4 \\ 5 & -6 & x \end{vmatrix} = 45$, then find the value of 'x'

6. If $u = (2,-7,1), v = (-3,0,4), w = (0, 5,-8)$, then find $(u+v).w$ & $\|u\|$

7. Define (i) Distributive Lattice and (ii) Bounded Lattice.

8. Describe the three basic logic gates

SECTION-B

II. Answer ALL the following Questions **5X10=50M**

9. Prove by mathematical induction that for all integer 'n'

$$\frac{1}{1.4} + \frac{1}{4.7} + \frac{1}{7.10} + \cdots + \frac{1}{(3n-2)(3n+1)} = \frac{n}{3n+1}$$

(OR)

10. Prove by mathematical induction that for all integer 'n'

$$a + ar + ar^2 + ar^3 + \cdots + ar^{n-1} = \frac{a(r^n-1)}{r-1}$$

11. If f : A $\rightarrow B$, $g: B \rightarrow C$ are onto functions, then prove that $(gof)^{-1} = f^{-1} og^{-1}$

(OR)

12. Find the inverse of the function (i) $h(x) = \frac{2x-3}{5x-7}$ (ii) $f(x) = 5^x$

13. Find the inverse of $\begin{pmatrix} 2 & 1 & 1 \\ 0 & 5 & -2 \\ 1 & -3 & 4 \end{pmatrix}$ by using Row operations.

[P.T.O]

(OR)

14. Using Crammer's rule, solve the system of equations

$2x + y + z = 3, x + y + z = 1, x - 2y - 3z = 4$

15. Let 'L' be a lattice, then prove that $a \wedge b = a \Leftrightarrow a \vee b = b$

(OR)

16. Prove that a lattice $(L, \leq)$ is distributive

i.e $\vee (b \wedge c) = (a \vee b) \wedge (a \vee c) \forall a, b, c \in L.$

17. Find the prime implications of $E = xyz + x^1y^1z^1 + xyz^1 + x^1y^1z + x^1yz^1$

(OR)

18. Verify whether $p \wedge (q \wedge r) \leftrightarrow (p \wedge q) \vee (p \wedge r)$ is a tautology

Room No: _____ **Regd No** 121

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I B.Sc(AI & ML)	Max Marks	: 60
Subject	: Statistics	Pass Mark	: 24
Title of Paper	: Statistical methods & Probability Distributions	Duration	: 3Hrs
Paper Code	: R23AISTAT201	Time	: 9am - 12noon
W.E.F	: 2023-24	Date	: 07.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Define Partial Correlation.

2. Explain Scatter diagram.

3. Why we are using two regression lines.

4. Define Regression lines and its properties.

5. Define Poisson distribution.

6. Define Negative binomial distribution.

7. Define Uniform distribution

8. Explain stratified sampling.

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Calculate Correlation coefficient to the following data

X	12	9	8	10	11	13	7
Y	14	8	6	9	11	12	3

(OR)

10. Calculate rank coefficient to the following data

statistics	1	2	3	4	5	6	7	8	9	10
Maths	1	4	2	5	3	9	7	10	6	8

11. Fit a straight line to the following data.

X	5	6	7	8	9	10	11
Y	2	4	5	5	3	8	7

(OR)

[P.T.O]

12. Obtain regression lines for the following data. And also estimate y when X=6

X	1	2	3	4
Y	3	5	7	9

13. Explain Geometric distribution along with their characteristic properties.

(OR)

14. Fit Binomial distribution to the following data of a set of three coins are tossed 41 times with the following results.

No .of heads	0	1	2	3
Frequency	4	15	16	6

15. Explain Beta distribution along with their characteristic properties.

(OR)

16. X is normally distributed variable with mean 30 standard deviation 4 find the probability is a) $x<40$ b) $x>21$ c) $30<X<35$

17. Explain any three types of sampling technique.

(OR)

18. Explain sampling distribution with simple examples.

Room No: _____ **Regd No:** 123

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS

II – SEMESTER END EXAMINATIONS

Class	: I B.Sc Honours (Artificial Intelligence)	Max Marks	: 60
Subject	: Computer Science	Pass Mark	: 24
Title of Paper	: Python for Data Science	Duration	: 3 Hrs
Paper Code	: R23AICSC202	Time	: 9am - 12noon
W.E.F	: 2023-24	Date	: 08.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Explain about Variables and identifiers in Python.

2. Explain about break and Continue Statements.

3. Explain about packages in python.

4. Explain about Sets in Python

5. Explain about Tuples in Python.

6. Explain about Classes and Objects in Python.

7. Explain about Pandas.

8. Explain about Pandas Data Frame Basics.

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Explain about Looping Statements (For, While).

(OR)

10. Explain the Operations on String in Python.

11. Explain about LAMBDA Functions

(OR)

12. Explain about Modules in Python.

13. Explain about List and its methods in Python

(OR)

14. Explain about dictionary and its methods in Python.

15. Explain about Inheritance in Python.

(OR)

16. Explain about Error and Exception Handling.

17. Explain about Univariate plots – Histograms.

(OR)

18. Explain about Data frames, making changes to series and data frames

Room No: _____ Regd No: 124

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

II – SEMESTER END EXAMINATIONS

Class	: I BBA/B.COM(TP,BBA,Business Analytics)	Max Marks	: 60
Subject	: Computer Science	Pass Mark	: 24
Title of Paper	: Problem Solving in C	Duration	: 3 Hrs
Paper Code	: R23MNCSC203	Time	: 9am-12noon
W.E.F	: 2023-24	Date	: 09.05.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Define Algorithm and flow chart with examples.
2. Explain about operators in 'C' language.
3. Explain about break and continue statements with example.
4. Write a program to check whether the given number is perfect or not.
5. Explain two dimentional Array with an example.
6. Write a program to number of characters in a given string.
7. Explain recursion with an example.
8. Write a program to perform arithmetic operations using function.

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Explain the structure of 'C' language with example program.

(OR)

10. Explain about different data types in 'C' language.
11. Explain about different if statements in 'C' language.

(OR)

12. Explain about different looping statements in 'C' language.
13. Explain different types of Arrays with example program.

(OR)

14. Write a program to perform matrix addition.
15. Explain about string functions in 'C' language.

(OR)

16. What is string? Explain how to declare and initialize the strings with an example program.
17. Explain different types of functions in 'C' language.

(OR)

18. Explain about call by reference and call by value with example program.

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

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II SEMESTER END (REGULAR) EXAMINATIONS (MAY- 2024)

01/05/2024 to 10/05/2024

DATE	TIME	B.Sc.										B.Com.			B.C.A.	B.B.A.		B.Voc.	B.A.
		PHYSICS	MATHEMATICS	COMPUTERS	ELECTRONICS	STATISTICS	CHEMISTRY	DATA SCIENCE	MICROBIOLOGY	BIOTECHNOLOGY	ARTIFICIAL INTELLIGENCE	GENERAL	TP	COMPUTERS		BBA	BUSINESS ANALYTICS		POLITICAL SCIENCE
01-05-2024	9.00 am to 11.00 am	DIGITAL LITERACY R23SDP201	DIGITAL LITERACY R23SDP201	DIGITAL LITERACY R23SDP201	DIGITAL LITERACY R23SDP201	DIGITAL LITERACY R23SDP201	DIGITAL LITERACY R23SDP201	DIGITAL LITERACY R23SDP201	DIGITAL LITERACY R23SDP201	DIGITAL LITERACY R23SDP201	DIGITAL LITERACY R23SDP201	DIGITAL LITERACY R23SDP201	DIGITAL LITERACY R23SDP201	DIGITAL LITERACY R23SDP201	DIGITAL LITERACY R23SDP201	DIGITAL LITERACY R23SDP201	DIGITAL LITERACY R23SDP201	DIGITAL LITERACY R23SDP201	DIGITAL LITERACY R23SDP201
02-05-2024	9.00 am to 11.00 am	MARKETING SKILLS R23SDPA202	MARKETING SKILLS R23SDPA202	MARKETING SKILLS R23SDPA202	MARKETING SKILLS R23SDPA202	MARKETING SKILLS R23SDPA202	MARKETING SKILLS R23SDPA202	MARKETING SKILLS R23SDPA202	MARKETING SKILLS R23SDPA202	MARKETING SKILLS R23SDPA202	MARKETING SKILLS R23SDPA202	BUSINESS WRITING R23SDPB202	BUSINESS WRITING R23SDPB202	BUSINESS WRITING R23SDPB202	BUSINESS WRITING R23SDPB202	BUSINESS WRITING R23SDPB202	BUSINESS WRITING R23SDPB202	BUSINESS WRITING R23SDPB202	BUSINESS WRITING R23SDPB202
04-05-2024	9.00 am to 12.00 noon	A COURSE IN READING AND WRITING SKILLS R23ENG201	A COURSE IN READING AND WRITING SKILLS R23ENG201	A COURSE IN READING AND WRITING SKILLS R23ENG201	A COURSE IN READING AND WRITING SKILLS R23ENG201	A COURSE IN READING AND WRITING SKILLS R23ENG201	A COURSE IN READING AND WRITING SKILLS R23ENG201	A COURSE IN READING AND WRITING SKILLS R23ENG201	A COURSE IN READING AND WRITING SKILLS R23ENG201	A COURSE IN READING AND WRITING SKILLS R23ENG201	A COURSE IN READING AND WRITING SKILLS R23ENG201	A COURSE IN READING AND WRITING SKILLS R23ENG201	A COURSE IN READING AND WRITING SKILLS R23ENG201	A COURSE IN READING AND WRITING SKILLS R23ENG201	A COURSE IN READING AND WRITING SKILLS R23ENG201	A COURSE IN READING AND WRITING SKILLS R23ENG201	A COURSE IN READING AND WRITING SKILLS R23ENG201	A COURSE IN READING AND WRITING SKILLS R23ENG201	A COURSE IN READING AND WRITING SKILLS R23ENG201
06-05-2024	9.00 am to 12.00 noon	GENERAL TELUGU/ GENERAL HINDI R23TEL201/ R23HIN201	GENERAL TELUGU/ GENERAL HINDI R23TEL201/ R23HIN201	GENERAL TELUGU/ GENERAL HINDI R23TEL201/ R23HIN201	GENERAL TELUGU/ GENERAL HINDI R23TEL201/ R23HIN201	GENERAL TELUGU/ GENERAL HINDI R23TEL201/ R23HIN201	GENERAL TELUGU/ GENERAL HINDI R23TEL201/ R23HIN201	GENERAL TELUGU/ GENERAL HINDI R23TEL201/ R23HIN201	GENERAL TELUGU/ GENERAL HINDI R23TEL201/ R23HIN201	GENERAL TELUGU/ GENERAL HINDI R23TEL201/ R23HIN201	GENERAL TELUGU/ GENERAL HINDI R23TEL201/ R23HIN201	GENERAL TELUGU/ GENERAL HINDI R23TEL201/ R23HIN201	GENERAL TELUGU/ GENERAL HINDI R23TEL201/ R23HIN201	GENERAL TELUGU/ GENERAL HINDI R23TEL201/ R23HIN201	GENERAL TELUGU/ GENERAL HINDI R23TEL201/ R23HIN201	GENERAL TELUGU/ GENERAL HINDI R23TEL201/ R23HIN201	GENERAL TELUGU/ GENERAL HINDI R23TEL201/ R23HIN201	GENERAL TELUGU/ GENERAL HINDI R23TEL201/ R23HIN201	GENERAL TELUGU/ GENERAL HINDI R23TEL201/ R23HIN201
07-05-2024	9.00 am to 12.00 noon	----	----	----	----	DESCRIPTIVE STATISTICS R23STAT201	----	DESCRIPTIVE STATISTICS R23DSSTAT201	----	----	STATISTICAL METHODS AND PROBABILITY DISTRIBUTIONS R23AISTAT201	FINANCIAL ACCOUNTING R23COM201	FINANCIAL ACCOUNTING R23COM201	FINANCIAL ACCOUNTING R23COM201	----	PRINCIPLES OF MANAGEMENT R23BBA201	PRINCIPLES OF MANAGEMENT R23BBA201	FRONT-END WEB DEVELOPMENT R23BV201	FUNDAMENTALS OF POLITICAL SCIENCE R23PS201
08-05-2024	9.00 am to 12.00 noon	WAVES AND OSCILLATIONS R23PHY202	ANALYTICAL SOLID GEOMETRY AND PROBLEM SOLVING SESSIONS R23MAT202	DIGITAL LOGIC DESIGN R23CSC203	CIRCUIT THEORY AND ELECTRONIC DEVICES R23ELE202	RANDOM VARIABLES AND MATHEMATICAL EXPECTATIONS R23STAT202	INORGANIC CHEMISTRY R23CHE202	RANDOM VARIABLES AND MATHEMATICAL EXPECTATIONS R23MSTAT203	BACTERIOLOGY AND VIROLOGY R23MB202	MICRO BIOLOGY AND CELL BIOLOGY R23BT202	PYTHON FOR DATA SCIENCE R23AICSC202	BUSINESS MANAGEMENT R23COM202	INCOME TAX I R23COM202	PRINCIPLES OF HRM R23MMT203	DIGITAL LOGIC DESIGN R23BCA202	BUSINESS ECONOMICS R23BBA202	QUANTITATIVE METHODS FOR MANAGERS R23BBAA202	DATABASE MANAGEMENT SYSTEM R23BV202	CONCEPTS AND IDEALOGIES OF POLITICAL SCIENCE R23PS202
09-05-2024	9.00 am to 12.00 noon	PROBLEM SOLVING IN C R23MCSC203	PROBLEM SOLVING IN C R23MCSC203	PROBLEM SOLVING USING C R23CSC201	PROBLEM SOLVING IN C R23MCSC203	PROBLEM SOLVING IN C R23MCSC203	PROBLEM SOLVING IN C R23MCSC203	----	INTRODUCTION TO MICROBIOLOGY R23MB201	BIOMOLECULES AND ANALYTICAL TECHNIQUES R23BT201	PROBLEM SOLVING IN C R23MCSC201	WEB DESIGNING R23MCS203	PROBLEM SOLVING IN C R23MCSC203	PROBLEM SOLVING IN C R23COMC202	PROGRAMMING IN C R23BCA202	PROBLEM SOLVING IN C R23MBCSC203	PROBLEM SOLVING IN C R23MBCSC203	----	SOCIOLOGICAL ANALYSIS R23MSOC201
10-05-2024	9.00 am to 12.00 noon	MECHANICS AND PROPERTIES OF MATTER R23PHY201	DIFFERENTIAL EQUATIONS AND PROBLEM SOLVING SESSIONS R23MAT201	PHYSICS R23MPHY203 ELECTRONICS R23MELE203 MATHEMATICS R23MMAT203 CHEMISTRY R23MCHE203	FUNDAMENTAL OF ELECTRICITY AND ELECTRONICS R23ELE201	----	GENERAL AND INORGANIC CHEMISTRY R23CHE201	INTRODUCTION TO DATA SCIENCE AND R PROGRAMMING R23DSCSC202	GENERAL AND INORGANIC CHEMISTRY R23MCHE203	GENERAL AND INORGANIC CHEMISTRY R23MCHE203	----	----	----	----	INTRODUCTION TO DATA SCIENCE AND R PROGRAMMING R23MBCA203	----	----	R PROGRAMMING R23MBV203	----

Controller of Examinations

Principal

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

(Sponsored by S.K.P.V.V. Hindu High Schools' Committee)

II SEMESTER END EXAMINATIONS (SUPPLEMENTARY) MAY 2024

01/05/2024 to 10/05/2024

DATE	TIME	B.Sc								B.Voc	B.Com				BBA	BCA
		MPC	MPCS	MSCS	MECS	MCCS	CBZ	IoT	DATA SCIENCE		GEN	T.P	COMPUTERS	LOGISTICS		
01-05-2024	9.00 am to 11.00 am	INFORMATION AND COMMUNICATION TECHNOLOGY R20LSC201 (2020-21)	INDIAN CULTURE AND SCIENCE R20LSC202 (2020-21)	INDIAN CULTURE AND SCIENCE R20LSC202 (2020-21)	INDIAN CULTURE AND SCIENCE R20LSC202 (2020-21)	INDIAN CULTURE AND SCIENCE R20LSC202 (2020-21)	INFORMATION AND COMMUNICATION TECHNOLOGY R20LSC201 (2020-21)	INDIAN CULTURE AND SCIENCE R20LSC202 (2020-21)	INDIAN CULTURE AND SCIENCE R20LSC202 (2020-21)	INDIAN CULTURE AND SCIENCE R20LSC202 (2020-21)	INFORMATION AND COMMUNICATION TECHNOLOGY R20LSC201 (2020-21)	INFORMATION AND COMMUNICATION TECHNOLOGY R20LSC201 (2020-21)	INDIAN CULTURE AND SCIENCE R20LSC202 (2020-21)	INFORMATION AND COMMUNICATION TECHNOLOGY R20LSC201 (2020-21)	INFORMATION AND COMMUNICATION TECHNOLOGY R20LSC201 (2020-21)	INDIAN CULTURE AND SCIENCE R20LSC202 (2020-21)
02-05-2024	9.00 am to 11.00 am	SOLAR ENERGY R20SDC201 (2020-21)	SOLAR ENERGY R20SDC201 (2020-21)	SOLAR ENERGY R20SDC201 (2020-21)	SOLAR ENERGY R20SDC201 (2020-21)	SOLAR ENERGY R20SDC201 (2020-21)	SOLAR ENERGY R20SDC201 (2020-21)	SOLAR ENERGY R20SDC201 (2020-21)	SOLAR ENERGY R20SDC201 (2020-21)	*****	AGRICULTURAL MARKETING R20SDC202B (2020-21)	AGRICULTURAL MARKETING R20SDC202B (2020-21)	AGRICULTURAL MARKETING R20SDC202B (2020-21)	AGRICULTURAL MARKETING R20SDC202B (2020-21)	AGRICULTURAL MARKETING R20SDC202B (2020-21)	AGRICULTURAL MARKETING R20SDC202B (2020-21)
03-05-2024	9.00 am to 11.00 am	FOOD ADULTERATION R20SDC202 (2020-21)	FOOD ADULTERATION R20SDC202 (2020-21)	FOOD ADULTERATION R20SDC202 (2020-21)	FOOD ADULTERATION R20SDC202 (2020-21)	FOOD ADULTERATION R20SDC202 (2020-21)	FOOD ADULTERATION R20SDC202 (2020-21)	FOOD ADULTERATION R20SDC202 (2020-21)	FOOD ADULTERATION R20SDC202 (2020-21)	*****	ADVERTISING R20SDC203B (2020-21)	ADVERTISING R20SDC203B (2020-21)	ADVERTISING R20SDC203B (2020-21)	ADVERTISING R20SDC203B (2020-21)	ADVERTISING R20SDC203B (2020-21)	ADVERTISING R20SDC203B (2020-21)
04-05-2024	9.00 am to 12.00 noon	A COURSE IN READING & WRITING SKILLS R20ENG201 (2020-21)	R20ENG201 A COURSE IN READING & WRITING SKILLS R20ENG201A (2022-23)	R20ENG201 A COURSE IN READING & WRITING SKILLS R20ENG201A (2022-23)	R20ENG201 A COURSE IN READING & WRITING SKILLS R20ENG201A (2022-23)	R20ENG201 A COURSE IN READING & WRITING SKILLS R20ENG201A (2022-23)	R20ENG201 A COURSE IN READING & WRITING SKILLS R20ENG201A (2022-23)	A COURSE IN READING & WRITING SKILLS R20ENG201 (2020-21)	R20ENG201 A COURSE IN READING & WRITING SKILLS R20ENG201A (2022-23)	R20ENG201 A COURSE IN READING & WRITING SKILLS R20ENG201A (2022-23)	R20ENG201 A COURSE IN READING & WRITING SKILLS R20ENG201A (2022-23)	R20ENG201 A COURSE IN READING & WRITING SKILLS R20ENG201A (2022-23)	R20ENG201 A COURSE IN READING & WRITING SKILLS R20ENG201A (2022-23)	R20ENG201 A COURSE IN READING & WRITING SKILLS R20ENG201A (2022-23)	R20ENG201 A COURSE IN READING & WRITING SKILLS R20ENG201A (2022-23)	R20ENG201 A COURSE IN READING & WRITING SKILLS R20ENG201A (2022-23)
06-05-2024	9.00 am to 12.00 noon	TELUGU/HINDI R20TEL201/ R20HIN201 (2020-21)	R20TEL201/ R20HIN201 TELUGU/HINDI R20TEL201A/ R20HIN201A (2022-23)	R20TEL201/ R20HIN201 TELUGU/HINDI R20TEL201A/ R20HIN201A (2022-23)	R20TEL201/ R20HIN201 TELUGU/HINDI R20TEL201A/ R20HIN201A (2022-23)	R20TEL201/ R20HIN201 TELUGU/HINDI R20TEL201A/ R20HIN201A (2022-23)	R20TEL201/ R20HIN201 TELUGU/HINDI R20TEL201A/ R20HIN201A (2022-23)	TELUGU/HINDI R20TEL201/ R20HIN201 (2020-21)	R20TEL201/ R20HIN201 TELUGU/HINDI R20TEL201A/ R20HIN201A (2022-23)	*****	R20TEL201/ R20HIN201 TELUGU/HINDI R20TEL201A/ R20HIN201A (2022-23)	R20TEL201/ R20HIN201 TELUGU/HINDI R20TEL201A/ R20HIN201A (2022-23)	R20TEL201/ R20HIN201 TELUGU/HINDI R20TEL201A/ R20HIN201A (2022-23)	R20TEL201/ R20HIN201 TELUGU/HINDI R20TEL201A/ R20HIN201A (2022-23)	R20TEL201/ R20HIN201 TELUGU/HINDI R20TEL201A/ R20HIN201A (2022-23)	R20TEL201/ R20HIN201 TELUGU/HINDI R20TEL201A/ R20HIN201A (2022-23)
07-05-2024	9.00 am to 12.00 noon	SOLID GEOMETRY R20MAT201 (2020-21)	R20MAT201 SOLID GEOMETRY R20MAT201A (2022-23)	R20MAT201 SOLID GEOMETRY R20MAT201A (2022-23)	R20MAT201 SOLID GEOMETRY R20MAT201A (2022-23)	R20MAT201 SOLID GEOMETRY R20MAT201A (2022-23)	R20BOT201 BASICS OF VASCULAR PLANTS AND PHYTO GEOGRAPHY R20BOT201A (2022-23)	DISCRETE MATHEMATICS R20IOTMAT201 (2020-21)	R20DSRP201 PROGRAMMING IN R R20DSRP201A (2022-23)	R20WSDM201 DISCRETE MATHEMATICS- II R20WSDM201A (2022-23)	R20COM201 FINANCIAL ACCOUNTING R20COM201A (2022-23)	R20COM201 FINANCIAL ACCOUNTING R20COM201A (2022-23)	R20COM201 FINANCIAL ACCOUNTING R20COM201A (2022-23)	R20COM201 FINANCIAL ACCOUNTING R20COM201A (2022-23)	R20BBA201 ACCOUNTING FOR MANAGERS R20BBA201A (2022-23)	R20BCA201 OBJECT ORIENTED ANALYSIS & DESIGN R20BCA201A (2022-23)
08-05-2024	9.00 am to 12.00 noon	WAVE OPTICS R20PHY201 (2020-21)	WAVE OPTICS R20PHY201A (2020-21)	R20STAT201 PROBABILITY THEORY AND STATISTICS R20STAT201A (2022-23)	R20BLE201 DIGITAL ELECTRONICS R20BLE201A (2022-23)	*****	R20ZOO201 BIOLOGY OF CHORDATES R20ZOO201A (2022-23)	ANALOG ELECTRONICS AND DATA ACQUISATION R20IOTELE201 (2020-21)	R20DSSTAT201 PROBABILITY THEORY AND STATISTICS R20DSSTAT201A (2022-23)	R20WSAJS201 ANGULAR JS R20WSAJS201A (2022-23)	R20COM202 BUSINESS ECONOMICS R20COM202 (2022-23)	R20COM202 BUSINESS ECONOMICS R20COM202 (2022-23)	R20COM202 BUSINESS ECONOMICS R20COM202 (2022-23)	R20COM202 BUSINESS ECONOMICS R20COM202 (2022-23)	R20BBA202 FUNDAMENTALS OF MARKETING R20BBA202A (2022-23)	R20BCA202 PYTHON PROGRAMMING R20BCA202A (2022-23)
09-05-2024	9.00 am to 12.00 noon	*****	R20CSC201 PROGRAMMING WITH JAVA R20CSC201A (2022-23)	R20CSC201 PROGRAMMING WITH JAVA R20CSC201A (2022-23)	R20CSC201 PROGRAMMING WITH JAVA R20CSC201A (2022-23)	R20CSC201 PROGRAMMING WITH JAVA R20CSC201A (2022-23)	*****	DATA STRUCTURES R20IOTDS201 (2020-21)	R20DSDS201 DATA STRUCTURES R20DSDS201A (2022-23)	R20WSCP201 C PROGRAMMING R20WSCP201A (2022-23)	R20COMG203 BANKING THEORY AND PRACTICE R20COMG203A (2022-23)	R20COMT203 INCOME TAX -II R20COMT203A (2022-23)	R20COMC203 E-COMMERCE & WEB DESIGNING R20COMC203A (2022-23)	R20COML203 MARKETING AND SALES MANAGEMENT R20COML203A (2022-23)	R20BBA203 E-COMMERCE R20BBA203A (2022-23)	R20BCA202 DATA STRUCTURES R20BCA202A (2022-23)
10-05-2024	9.00 am to 12.00 noon	ORGANIC AND GENERAL CHEMISTRY R20CHE201 (2020-21)	*****	*****	*****	R20CHE201 ORGANIC AND GENERAL CHEMISTRY R20CHE201A (2022-23)	R20CHE201 ORGANIC AND GENERAL CHEMISTRY R20CHE201A (2022-23)	*****	*****	R20WSDC201 DATA COMMUNICATIONS R20WSDC201A (2022-23)	*****	*****	*****	*****	*****	*****

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Principal

Room No: _____ **Regd No:** _____

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS

III – SEMESTER END EXAMINATIONS

Class	: II Degree (All Groups)	Max Marks	: 50
Subject	: Foundation	Pass Mark	: 20
Title of Paper	: Environmental Education	Duration	: 2 Hrs
Paper Code	: R20LSC304	Time	: 9am - 11am
W.E.F	: 2021-22	Date	: 05 - 06 - 2024

SECTION-A

I. Answer any FOUR of the following Questions **4X5=20M**

1. Explain Causes for depletion of forest resources

2. Discuss greenhouse effect?

3. Define Desertification and explain the causes of desertification?

4. Explain the importance of Montreal Protocol?

5. Explain Threats to biodiversity?

6. Discuss Kyoto protocol?

7. Explain Global Warming?

8. Write about Non renewable energy resources ?

SECTION-B

II. Answer any THREE of the following Questions **3X10=30M**

9. Explain values of biodiversity?

10. What are the causes of Human Population and explain its impact on Environment?

11. Explain about various laws for Environmental Protection?

12. Explain various types of pollution ?

13. Explain the scope, importance and multidisciplinary nature of Environmental education?

14. Write about Sustainable Development?

Regd No:_____ **Room No:** (2)

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
III SEMESTER END EXAMINATIONS

Class	: II Degree (All Groups)	Max Marks	: 50
Subject	: Mathematics	Pass Mark	: 20
Title of Paper	: Analytical Skills	Duration	: 2 Hrs
Paper Code	: R20LSC301	Paper Time	: 9am-11am
W.E.F	: 2021-22	Date	: 06.06.24

SECTION –A

I. Answer any TEN Of the following questions. **10X2=20M**

1. Find the odd man out of the series 3. 5. 7. 12, 17, 19
2. Simplify 9358 – 6014 + 3127 =?
3. Find the number 5, 16, 49, 148, ___
4. 35 % of 250 +? = 345
5. Find the average of all prime numbers between 10 and 30
6. If a:b=3:4 and b:c=8:9, find a : b : c = ? : ? : ?
7. Find out wrong number in the series 22, 33, 55, 77, 89, 121
8. Show that 4832718 is divisible by 11
9. What is the percent is equal ¾ is
10. Find the L C M of 18, 32, 72, 96
11. Introducing A Woman said " He is the only one son of my mother's mother", how is the woman related man
12. A man buy's an article for Rs. 27.50 and sells it for Rs. 28.60. Find his gain percentage
13. A student to get 35% of maximum marks to pass the examinations. Madhav got 172 marks and failed by 3 marks find the maximum marks?
14. The speed of train is 90kmph, what is the distance covered by it in 10 minutes
15. Find the missing number 2, 5, 10, 17, ?, 37

SECTION –B

II. Answer any FIVE the following Questions **5X6=30M**

16. Subject (maximum marks recorded out of 100

Student	Hindi	English	Maths	Social	Science	Sanskrit	PES
Anupama	85	95	87	87	65	35	71
Bhaskar	72	97	55	77	62	41	64
Charu	64	78	74	63	55	25	33
Deepak	65	62	69	81	70	40	50
Garima	92	82	81	79	49	30	61
Vishal	55	70	65	69	44	28	30

a) How many students have scored lowest marks in two or more subjects?
b) Who has scored the highest marks in all the subjects together
c) What is the Deepak percentage of marks in all the subjects together
d) What is the average percentage of marks obtained by all the students together in science?
e) Marks obtained by Charu in Hindi is what percent marks the Anupama got in Science * subject?

(P.T.O)

17. What was the day of the week on 16 April 2000

18. How many nos between 11 and 90 divisible by 7

19. Find the angle between the hour hand and the minutes hand when the time 3:25

20. The average of a class of 39 students is 15 years. If the age of the teacher be included, then the average increases by 3 months, Find the age of the teacher

21. The persons A,B,C shared profit in the ratio 2:3:4 if B received Rs. 10000 more than A then find the share C

22. Explain BODMAS rule?

23. Explain Divisibility rule?

24. A,B,C started a business by investing Rs. 1,20,000, Rs. 1,35,000 and Rs. 1,50,000 respectively find the share of each out of an annual profit of Rs.56,700

25. The Difference of two numbers is 10 and their sum is 14 then

(i) Find the numbers

(ii) Find the product of numbers

*****

Room No: _____ **Regd No:** _____

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

III – SEMESTER END EXAMINATIONS

Class	: II Degree (All Groups)	Max Marks	: 60
Subject	: English	Pass Mark	: 24
Title of Paper	: A Course in Conversational Skills	Duration	: 3 Hrs
Paper Code	: R20ENG301A	Time	: 9am-12noon
W.E.F	: 2023-24	Date	: 08-06-2024

SECTION-A

I. Answer any FIVE of the following Questions; 5X4=20M

1. What does Nehru mean by his remark that freedom and power brings responsibility?

2. Describe the significance of Greetings.

3. Explain the response of Dr. APJ Abdul Kalam on " A leader should know how to manage a failure."

4. How do we ask for information? Mention any three contexts?

5. How do you give directions to your friend to reach your house from Railway station?

6. What is the tone of Steve Jobs speech at Stanford University ?

7. Give a clear description of your college in about 75 words

8. What are the three favourite interviewing techniques?

SECTION-B

II. Answer the following Questions; 5X8=40M

9. What according to Pandit Nehru was the tryst with destiny that Indians made?

(OR)

10. How do you introduce your team members to the Chief Guest?

11. Give an analysis of the leadership style of President Obama.

(OR)

12. How do we make requests? Mention any five different contexts.

13. What according to Nelson Mandela is his biggest accomplishment and disappointment?

(OR)

14. What is the pleasure in agreeing for a deal?

15. What do you think are the major changes in Indian Business according to JRD Tata?

(OR)

16. Build a dialogue between a manager and a Customer in the Bank.

17. Describe the Approaches of Debate.

(OR)

18. Explain different methods of Role Play.

Room No: _____ **Regd No:** _____

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS

III – SEMESTER END EXAMINATIONS

Class	: II Degree (All Groups)	Max Marks	: 75
Subject	: English	Pass Mark	: 30
Title of Paper	: A Course in Conversational Skills	Duration	: 3 Hrs
Paper Code	: R20ENG301	Time	: 9am-12noon
W.E.F	: 2021-22	Date	: 08.06.2024

SECTION-A

I. Answer any FIVE of the following Questions: **5X5=25M**

1. What does Nehru mean by the expression service of India?

2. Describe the significance of Greetings.

3. Why does Dr. Kalam share his ideas on managing failure with knowledge at wharton?

4. What are the various question forms to elicit information?

5. How do you give directions to your friend to reach Your home from Bus stop?

6. What is the message from Steve Job's first story?

7. Describe your favourite city in about 75 words.

8. What are the three favourite interviewing techniques?

SECTION-B

II. Answer the following Questions: **5X10=50M**

9. Why do you think did Nehru describe the achievement of freedom as a fateful moment for India and for the world.

(OR)

10. Introduce yourself to your friend.

11. Why does Obama claim in his speech that change has come to America?

(OR)

12. How do we make requests? Mention any five different contexts

13. Write about Nelson Mandela's fight against apartheid system.

(OR)

14. Give two phrases for agreeing disagreeing and two phrases for disagreeing

15. Summarize J.R.D. Tata's interview with T.N.Ninan

(OR)

16. Write a dialogue between two friends planning a picnic

17. Describe the stages in debate.

(OR)

18. Explain different methods of Role-play.

Room No: _____ Regd No: 6

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
III – SEMESTER END EXAMINATIONS

Class	: II Degree (All Groups)	Max Marks	: 60
Subject	: Hindi	Pass Mark	: 24
Title of Paper	: General Hindi	Duration	: 3 Hrs
Paper Code	: R20HIN301A	Time	: 9am - 12noon
W.E.F	: 2022-23	Date	: 10.06.2024

SECTION-A

निम्न लिखित प्रश्नों में से किन्ही पांच का उत्तर दीजिए। **5X4=20M**

1. किसी एक कवि का जीवन परिचय दीजिए।

1. सूरदास 2. भवानी प्रसाद मिश्र

2. " तोड़ती पत्तर" कविता का सारांश लिखिए

3. भक्तिकाल की विशेषताऐं लिखिए।

4. ज्ञापन की परिभाषा दीजिए।

5. अनुवाद किसे करते है।

6. व्याख्या कीजिए

पाहन पूजे हरी मिलै, तो मै पूजूँ पहाड़।

ताते ये चाकी भली , पीस खाय संसार।।

7. व्याख्या कीजिए

जी गीत जनम का लिखूँ , मरण का लिखूँ।
जी, गीत जीत का लिखूँ , शरण का लिखूँ ।।

8. पर्यावरण और प्रदूषण पर निबंध लिखिए।

SECTION-B

5X8=40M

9. किसी एक कविता का सारांश विशेषताओं सहित लिखिए।

(अ) तोड़ती पत्थर (आ) गीत फरोश

10. (अ) भक्तिकाल की विशेषताएँ प्रस्तुत कीजिए।

अथवा

(आ) ज्ञानाश्रई शाखा में कबीर का स्थान निर्धारित कीजिए।

11. किसी एक निबंध पर प्रकाश डालिए।

(A) कम्प्यूटर (B) समाचारपत्र (C) साहित्य और समाज

12. हिन्दी में अनुवाद कीजिए।

1. Please turn off the light
2. Hurry up and wash your face
3. Where your pen
4. I have got a bit late today

[P.T.O]

7

(अथवा)

अंग्रेजी में अनुवाद कीजिए।

1. बच्चे रोज शतरंज खेलते हैं।
2. मेरे पहुंचने से पहले गाड़ी जा चुकी थी।
3. सुबह से बारिश हो रही है।
4. क्या बारिश हो रही है ?

13. किसी एक पर टिप्पणी लिखिए ।

1. परिपत्र 2. कार्यालय ज्ञापन 3. अधिसूचना

Room No: _____ Regd No: 8

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

III – SEMESTER END EXAMINATIONS

Class	: II Degree (All Groups)	Max Marks	: 75
Subject	: Hindi	Pass Mark	: 30
Title of Paper	: General Hindi	Duration	: 3 Hrs
Paper Code	: R20HIN301	Time	: 9am-12noon
W.E.F	: 2022-23	Date	: 10.06.2024

PART-A

5X5=25M

अ. निम्न लिखित प्रश्नों में से किन्ही पांच का उत्तर दीजिए।

1. व्याख्या कीजिए ।

निन्दक निपरे रसिये , आँगन कुटी छवाय ।

बिन पानी साबुन बिनु , निर्मल करै सुभाय।।

2. किसी एक कवि का साहित्यक परिचय दीजिए।

1. मैथिली शरण गुप्त **2.** भवानी प्रसाद मिश्रा

3. "तोड़ती पत्थर " कविता का सारांश लिखिए।

4. व्याख्या कीजिए ।

पानी केरा बुदबुदा उस मानुस की जाति।

देखत ही छिप जाएगा ज्यो तारे परभानि।।

5. भक्तिकाल के विविध शाखाओं का परिचय दीजिए।

6. प्रदुषण के निवारणोपाय लिखिए।

7. परिपत्र की परिभाषा दीजिए।

8. अनुवाद किसे कहते है?

PART-B

आ. किसी एक कहानी का सारांश विशेषताओं सहित लिखिए। **10 M**

1. मातृभूमि 2. विनय- बाल वर्णन

इ. भक्तिकाल की विशेषताएँ प्रस्तुत कीजिए। **10 M**

(अथवा)

ज्ञानमार्ग और प्रेम मार्ग भक्ति धाराओं का तुलनात्मक परिचय दीजिए।

ई. किसी एक निबंध पर प्रकाश डालिए। **10 M**

1. समाचार पत्र 2.कम्प्यूटर 3. साहित्य और समाज

5X2=10M

उ. हिन्दी में अनुवाद कीजिए।

1. Children play chess every day.
2. When I went there, she was sleeping.
3. The train had left before I reached the station.
4. It has been raining since morning.
5. We have taken our breakfast.

(अथवा)

[P.T.O

अंग्रेजी में अनुवाद कीजिए।

1. मेरा आज अंग्रेज़ी पढ़ने का मन नहीं है।

2. बूढ़ी औरत अपनी पोती पर मुस्कुराई।

3. वह थोड़ी ताज़ा हवा खाने के लिए बाहर गया।

4. वह अपने कमरे में रो रही थी।

5. मैं फ़ैसला कर चुका हूँ।

ऊ. किसी एक पर टिंप्पणी लिखिए । **10 M**

1. परिपत्र 2. कार्यालय ज्ञापन 3. अधिसूचना

Room No: _____ Regd No 10

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

III – SEMESTER END EXAMINATIONS

Class	: II Degree (All Groups)	Max Marks	: 75
Subject	: Hindi	Pass Mark	: 30
Title of Paper	: Hindi	Duration	: 3Hrs
Paper Code	: CBHIN301A	Time	: 9am-12noon
W.E.F	: 2022-23	Date	: 10.06.2024

I. किन्ही दो की संदर्भ सहित व्याख्या कीजिए । **2X5=10M**

1. पाहन पूजे हरि मिलै, तो मैं पूजूं पहाड़।

तातें ये चक्की भली, पीस खाय संसार।।

(अथवा)

तरुवर फल नहीं खात हैं, सरवर पियहिं न पान।

कहि रहीम परकाज हित, संपति संचहिं सुजान।।

2. दिवा का तमतमाता रूप,

उठी झुलसाती हुई लू,

रुई ज्यों जलती हुई भू,

गर्द चिनगी छा गई।

जी हां हुजूर, मैं गीत बेचता हूं ।

मैं तरह - तरह के गीत बेचता हूं।

मै किसिम - किसिम के गीत बेचता हूं।

II. किसी एक कविता का सारांश लिखकर , विशेषताएं लिखिए। **1X15=15M**

1.गीत फरोश 2.तोड़ती पत्थर

III. किसी एक साहित्यिक विषय पर निबंध लिखिए । **1X15=15M**

ज्ञानश्री शाखा- कबीर दास।

प्रेमाश्री शाखा- जायसी।

IV. किसी एक विषय पर निबंध लिखिए । **1X15=15M**

1.कंप्यूटर 2.पर्यावरण और प्रदूषण

[P.T.O]

V.a. गद्यांश पढ़कर निम्न प्रश्नों का जवाब लिखिए। **1X5=5M**

विद्यार्थी जीवन ही संपूर्ण मानव जीवन का आधार है। आदर्श विद्यार्थी को कुसंगति से बचना चाहिए। उसे अपने सहपाठियों के प्रति स्नेह भाव रखना चाहिए। आदर्श विद्यार्थी को मधुर भाषी और सत्यवक्ता होना चाहिए। इन गुनों के कारण ही वह समाज में सम्मान और जीवन में सफलता प्राप्त करता है। प्राचीन काल में विद्यार्थी जीवन साधना का जीवन था। वह अपने गुरु के प्रति असीम श्रद्धा रखता था। आदर्श विद्यार्थी को सच्चरित्र होना चाहिए।सच्चरित्र व्यक्ति ही समाज में आदर पाता है। अपने प्रत्येक कार्य जैसे अध्ययन खेलकूद और निद्रा नियमित समय पर ही करना चाहिए।

1. विद्यार्थी कैसी भाषा अपनाना चाहिए?
2. किन गुनों से विद्यार्थी समाज में सम्मान पाता है?
3. प्राचीन काल में विद्यार्थी जीवन कैसा जीवन है?
4. आदर्श विद्यार्थी का चरित्र कैसा होना चाहिए?
5. समय पालन करने की शक्ति किसमें होती है?

b. प्रयोजन मूलक हिंदी से किसी एक परिभाषा लिखिए । **1X5=5M**

1 परिपत्र 2. ज्ञापन

VI.हिंदी में अनुवाद कीजिए । **1X10=10M**

kalidas is known as the Shakespeare of India .His name has been immortalised in his history of Sanskrit literature .He was at the head of the celebrated nine gems which adorned the court of Vikramaditya. The poems and dramas of Kalidas have elicited unreserved praise not only from Indian Scholars but even from European critics like maxmuller .The age in which Kalidas flourished and the place where was born are matter of dispute.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

III – SEMESTER END EXAMINATIONS

Class	: II Degree (All Groups)	Max Marks	: 60
Subject	: Telugu	Pass Mark	: 24
Title of Paper	: General Telugu	Duration	: 3 Hrs
Paper Code	: R20TEL301A	Time	: 9am-12noon
W.E.F	: 2023-24	Date	: 10.06.2024

SECTION-A

1. ఈ క్రింది వానిలో ఏవైనా ఐదింటికి సంక్షిప్త సమాధానాలు వ్రాయండి 5 X 4 = 20 M

1. భాష ప్రయోజనాలు.
2. టెలివిజన్ రచన.
3. ఉత్తమ వ్యాసం లక్షణాలు.
4. అనువాద ఆవశ్యకత.
5. సంపాదకీయాలు.
6. పత్రికలోని భాష ఎలా ఉండాలి.
7. యాంకరింగ్ లక్షణాలు.
8. To many, Indian thought, Indian manners Indian customs, Indian Philosophy, Indian Literature are repulsive at the first sight; but let them persevere, let them, read, let them become familiar with the great principles underlying these ideas, and it is ninety – nine to one that he charm will come over them, and fascination will be the result. Slow and silent, as the gentle dew that falls in the morning, unseen and unheard yet producing, a most tremendous result, has been work of the calm, patient, all-suffering spiritual race upon the world of thought.

పార్ట్ – బి

2. ఈ క్రింది వానిలో అన్ని ప్రశ్నలకు సమాధానాలు వ్రాయండి 5 X 8 = 40

9. (అ) భాషను నిర్వచించి లక్షణాలు రాసి ప్రామాణిక భాషను పరిచయం చేయండి.

(లేదా)

(ఆ) వాక్యభేదాలను సమగ్రంగా చర్చించండి.

10. (అ) ఉత్తమ కథ లక్షణాలను వ్రాయండి.

(లేదా)

(ఆ) ఉత్తమ వ్యాస లక్షణాలను వ్రాయండి.

11.(అ) అనువాదాన్ని నిర్వచించి అనువాద పద్ధతులను వ్రాయండి.

(లేదా)

(ఆ) అనువాద సమస్యలను వాటి పరిష్కార మార్గాలను వ్రాయండి.

12.(అ) తెలుగు భాషలో పత్రికల వర్గీకరణ వ్రాయండి.

(లేదా)

(ఆ) వార్తను నిర్వచించి వార్త లక్షణాలను తెలపండి.

13.(అ) ప్రసార మాధ్యమాల విస్తృతి, ప్రయోజనాలను తెలపండి.

(లేదా)

(ఆ) యాంకరింగ్ నిర్వహణ తీరుతెన్నులను వివరించండి.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

III – SEMESTER END EXAMINATIONS

Class	: II Degree (All Groups)	Max Marks	: 75
Subject	: Telugu	Pass Mark	: 30
Title of Paper	: General Telugu	Duration	: 3 Hrs
Paper Code	: R20TEL301	Time	: 9am-12noon
W.E.F	: 2022-23	Date	: 10.06.2024

విభాగము - అ

1. ఈ క్రింది వానిలో ఏవైనా ఐదింటికి సంక్షిప్త సమాధానాలు వ్రాయండి 5 X 5 = 25 M

1. భాష లక్షణాలు.
2. చారిత్రక వ్యాసాలు.
3. అనువాద ఆవశ్యకత.
4. సంపాదకీయాలు గురించి రాయండి.
5. బ్లాగ్‌ను వివరించండి.
6. రేడియో రచన
7. యాంకరింగ్ లక్షణాలు
8. To many, Indian thought, Indian manners Indian customs, Indian Philosophy, Indian Literature are repulsive at the first sight; but let them persevere, let them, read, let them become familiar with the great principles underlying these ideas, and it is ninety – nine to one that he charm will come over them, and fascination will be the result. Slow and silent, as the gentle dew that falls in the morning, unseen and unheard yet producing, a most tremendous result, has been work of the calm, patient, all-suffering spiritual race upon the world of thought.

పార్టు - బి

2. ఈ క్రింది వానిలో అన్ని ప్రశ్నలకు సమాధానాలు వ్రాయండి 5 X 10 = 50

9. (అ) వాక్యాన్ని నిర్వచించి వాక్య లక్షణాలను వివరించండి.

(లేదా)

(ఆ) భాషా నిర్మాణంలో వర్ణం - పదం వాక్యాల ప్రాధాన్యతను వివరించండి.

10. (అ) ఉత్తమ కవిత లక్షణాలను వ్రాయండి.

(లేదా)

(ఆ) ఉత్తమ వ్యాసలక్షణాలను వ్రాయండి.

[P.T.O]

11.(అ) అనువాదాన్ని నిర్వచించి అనువాద పద్ధతులను వ్రాయండి.

(లేదా)

(ఆ) అనువాద సమస్యలను వాటి పరిష్కార మార్గాలను వ్రాయండి.

12.(అ) తెలుగు భాషలో పత్రికల వర్గీకరణ వ్రాయండి.

(లేదా)

(ఆ) వార్తను నిర్వచించి వార్తా లక్షణాలను తెలపండి.

13.(అ) ప్రసార మాధ్యమాల విస్తృతి, ప్రయోజనాలను తెలపండి.

(లేదా)

(ఆ) యాంకరింగ్ నిర్వహణ తీరుతెన్నులను వివరించండి.

Room No: _____ RegNo: 16

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

III – SEMESTER END EXAMINATIONS

Class	: II B.Sc(MPC,CBZ)	Max Marks	: 75
Subject	: Computer Science	Pass Mark	: 30
Title of Paper	: C-Language	Duration	: 3 Hrs
Paper Code	: CBCL301	Time	: 9am-12noon
W.E.F	: 2023-24	Date	: 10-06-2024

SECTION-A

I. Answer any FIVE of the following Questions **5X5=25M**

1. Explain about data types in c language.
2. Explain variables in c languages.
3. Write a c program to find the given number is even or odd.
4. Explain the syntax of switch statement.
5. Explain the difference between break and continue.
6. What is an array ? Write a program to read and print n numbers .
7. Explain any five string handling functions in c.
8. Write a program to find the factorial of a given number.

SECTION-B

II. Answer ALL the following Questions **5X10=50M**

9. Explain the structure of C program.

(OR)

10. Explain the types of programing languages.
11. Explain various operators in c with example .

(OR)

12. Write about input and output functions in c.
13. Explain various Looping Statements in C with example.

(OR)

14. Explain about conditional branching statements.
15. What is an Array? Explain different types of arrays.

(OR)

16. Write a C program to find addition of two matrices.
17. Explain Call-by-Value and Call-by-Reference.

(OR)

18. How can we pass array variable as argument to function.

Room No: _____ **Regd No:** 17

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS
III – SEMESTER END EXAMINATIONS

Class	: II B.Sc (DS)	Max Marks	: 60
Subject	: Computer Science	Pass Mark	: 24
Title of Paper	: Data Mining And Data Analysis	Duration	: 3 Hrs
Paper Code	: R20DSDD301A	Time	: 9am-12noon
W.E.F	: 2023-24	Date	: 11-06-2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Explain advantage and disadvantages of mining.

2. Explain data cleaning.

3. Explain feature selection.

4. Explain Bootstrap.

5. Explain algorithm for decision tree.

6. Explain about Lazy Learners.

7. Explain Bayesian classification.

8. Explain about clustering.

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Explain about KDD process with a neat diagram

(OR)

10. Explain about the architecture of data mining.

11. Explain about Data Mining Query Language.

(OR)

12. Explain about association rule mining.

13. Explain about Model over Fitting.

(OR)

14. Explain cross validation of boot strap.

15. Explain support vector machines.

(OR)

16. Explain Rule Based Classification.

17. Explain about Hierarchal Methods.

(OR)

18. Explain in details about K-means

Room No: _____ **Regd No:** 18

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
III – SEMESTER END EXAMINATIONS

Class	: II BCA	Max Marks	: 60
Subject	: Computer Science	Pass Mark	: 24
Title of Paper	: Object Oriented Programming Through Java	Duration	: 3 Hrs
Paper Code	: R20BCA302A	Time	: 9am-12noon
W.E.F	: 2023-24	Date	: 12-06-2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Explain about Java Development Kit?

2. What is the difference between OOP and procedure oriented programming?

3. Explain about Strings functions in Java?

4. Explain the procedure for user defined packages in java?

5. Explain about thread priorities?

6. Explain Unchecked and Checked exceptions?

7. Explain Random Access files?

8. What is Servlet and how to run servlets?

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Explain about different OOPs concepts in Java?

(OR)

10. Explain the Structure of java?

11. Explain about different Data Types in Java?

(OR)

12. Explain about Decision Making and Looping statements in java?

13. Explain different ways of handling Exceptions in Java?

(OR)

14. Define Thread and explain the life cycle of thread with an example?

15. Explain HTML Applet Tag?

(OR)

16. Explain JDBC Architecture?

17. Explain Networking Classes in JDK?

(OR)

18. Explain the life cycle of a Servlet?

Room No: _____ **Regd No:** 19

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS
III – SEMESTER END EXAMINATIONS

Class	: II B.Voc (WT)	Max Marks	: 60
Subject	: Computer Science	Pass Mark	: 24
Title of Paper	: E-Commerce	Duration	: 3 Hrs
Paper Code	: R20WSEC302A	Time	: 9am-12noon
W.E.F	: 2023-24	Date	: 12-06-2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Explain the features of E-Commerce.

2. Write about SCM.

3. Define EDI and explain the advantages of EDI

4. Write about the Internal Information System.

5. Write about Mass Customization.

6. Explain about Digital library.

7. What are the disadvantages of Online Marketing.

8. Write about EFT.

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Explain about B2B and B2C and write the advantages and disadvantages

(OR)

10. Write about Security and legal issues of E-commerce.

11. Explain about EDI with its architecture.

(OR)

12. Explain about MIME with its Components.

13. Write about SCM along with its Models.

(OR)

14. Discuss about Virtual organizations.

15. What is Data Warehousing? Explain the types of Data Warehouses.

(OR)

16. Explain about various methods in Marketing Research.

17. Write various Security Issues in E-payment method.

(OR)

18. Discuss Various E-Payment methods.

Room No: _____ RegNo: 20

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

III – SEMESTER END EXAMINATIONS

Class : II BCA
Subject : Computer Science
Title of Paper : Operating Systems
Paper Code : R20BCA303A
W.E.F : 2023-24

Max Marks : 60
Pass Mark : 24
Duration : 3 Hrs
Time : 9am-12noon
Date : 13-06-2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Explain about Storage Management?
2. Explain about CPU Scheduler?
3. Explain about scheduling criteria?
4. Explain about semaphores?
5. Explain Deadlock characteristics?
6. Write about logical versus physical address space?
7. Explain about swapping?
8. Explain about File System Structure?

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. What is an Operating system? Explain functions of an operating system?

(OR)

10. What is System call? Explain different types of system calls in Operating System?
11. Explain about FCFS Scheduling?

(OR)

12. Explain about Round-Robin Scheduling?
13. Explain about the Dining-philosophers problem?

(OR)

14. Explain about deadlock detection and avoidance?
15. Write about segmentation in hardware?

(OR)

16. Explain about contagious memory allocation?
17. Explain about different file operations?

(OR)

18. Explain the features of UNIX operating system?

Room No: _____ **Regd No:** 21

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS

III – SEMESTER END EXAMINATIONS

Class	: II B.Sc (DS), B.Voc (WT)	Max Marks	: 60
Subject	: Computer Science	Pass Mark	: 24
Title of Paper	: OOPs With Java/ Programming in Java	Duration	: 3 Hrs
Paper Code	: R20DSOJ301A/R20WSPJ301A	Time	: 9am - 12noon
W.E.F	: 2023-24	Date	: 13-06-2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Explain the features of Java?

2. Explain method overloading in Java?

3. Explain about abstract method and class?

4. Write about java API packages?

5. Explain about Accessing interface variable with an example?

6. Explain about Priority of threads?

7. Write about Types Of Errors in Java?

8. Explain procedure to create and run applets?

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Explain OOPS concepts?

(OR)

10. Explain the Structure of Java program with example?

11. Define Constructor? Explain the different types of constructors in detail?

(OR)

12. Explain Vectors and Wrapper classes in detail?

13. Explain in detail how to Extend and Implement interfaces with an example?

(OR)

14. Explain the process to create a user define packages in detail?

15. What is a thread? Explain thread life cycle and its methods with diagram?

(OR)

16. Define Exception? Explain in detail how to handle an exception with example?

17. Explain applet life cycle with neat diagram?

(OR)

18. Write a program for getting input from user in applets?

Room No: _____ RegNo: 22

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

III – SEMESTER END EXAMINATIONS

Class	: II BCA	Max Marks	: 75
Subject	: Computer Science	Pass Mark	: 30
Title of Paper	: Operating Systems	Duration	: 3 Hrs
Paper Code	: R20BCA303	Time	: 9am - (1noon)
W.E.F	: 2023-24	Date	: 13.06.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X5=25M**

1. Explain the Operating System Services?
2. Explain about Inter Process Communication?
3. Explain about Scheduling Criteria?
4. Explain about Critical Section Problem?
5. What is Synchronization? Explain it?
6. Explain about Swapping?
7. Explain about Demand Paging?
8. Explain about Directory Structure?

SECTION-B

II. Answer ALL the following Questions **5X10=50M**

9. What is an Operating System? Explain Functions of an Operating System?

(OR)

10. What is System Call? Explain different types of System calls?
11. Explain about Round-Robin Scheduling?

(OR)

12. Explain about Priority Scheduling?
13. Explain about Peterson's Solution?

(OR)

14. What is Deadlock? Explain Deadlock Prevention Techniques?
15. Explain about Contiguous Memory Allocation?

(OR)

16. Write about Segmentation in Hardware?
17. Explain about different File Operations?

(OR)

18. Explain different File Access Methods?

Room No: _____ Regd No: 23

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

III – SEMESTER END EXAMINATIONS

Class	: II B.Com(COMP)	Max Marks	: 60
Subject	: Computer Science	Pass Mark	: 24
Title of Paper	: Programming With C & C++	Duration	: 3 Hrs
Paper Code	: R20COMC303A	Time	: 9am - 12 noon
W.E.F	: 2023-24	Date	: 18-06-2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Explain the I/O function in C language?

2. What is recursion? Explain With example?

3. Explain different types of arrays with syntax?

4. Explain the concept of function overloading?

5. Explain difference between C and C++?

6. Define the constructor with example?

7. Explain different rules of operator overloading?

8. What is inheritance? Explain single level inheritance?

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Explain different operators available in C?

(OR)

10. Explain different decision making statements?

11. Write different string functions with examples?

(OR)

12. What is an array? Explain different types of arrays with examples?

13. Explain the concepts of OOPs?

(OR)

14. Explain the structure of C++? With example program?

15. Define the constructor? Explain types of constructors with examples?

(OR)

16. Explain briefly about operators overloading with example?

17. Explain different type's inheritance with examples?

(OR)

18. What is hierarchical inheritance? Explain with example program?

Room No: _____ Regd No: 24

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

III – SEMESTER END EXAMINATIONS

Class	: II B.Sc (MPCS, MECS, MSCS, MCCS)	Max Marks	: 60
Subject	: Computer Science	Pass Mark	: 24
Title of Paper	: Database Management System	Duration	: 3 Hrs
Paper Code	: R20CSC301A	Time	: 9am-12noon
W.E.F	: 2023-24	Date	: 13-06-2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. What is the difference between Data and Information.

2. Write about building blocks of Entity relationship diagram.

3. Write about the advantages of ER model.

4. Explain about various types of Keys.

5. Explain about Commit and Rollback commands.

6. Explain about aggregate functions.

7. Explain about basic structure of PL/SQL Program.

8. Explain data types in PL/SQL.

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Explain about the drawbacks of traditional File Processing System.

(OR)

10. Explain the Components of Database Management System.

11. Explain different types of Entities.

(OR)

12. Explain about Classification of attributes.

13. Explain E.F codd's rules.

(OR)

14. Explain 1NF, 2NF and 3NF with example.

15. Explain about DDL commands.

(OR)

16. What is a View? Explain about views.

17. Explain about looping control statements in PL/SQL.

(OR)

18. Briefly explain about procedures in PL/SQL.

Room No: _____ Regd No: 25

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
III – SEMESTER END EXAMINATIONS

Class	: II BCA	Max Marks	: 75
Subject	: Computer Science	Pass Mark	: 24
Title of Paper	: Object Oriented Programming Through Java	Duration	: 3 Hrs
Paper Code	: R20BCA302	Time	: 9am - 12noon
W.E.F	: 2022-23	Date	: 12-06-2024

SECTION-A

I. Answer any FIVE of the following Questions **5X5=25M**

1. Explain Java Development Kit
2. Difference between application and applets.
3. Explain different string functions in JAVA
4. Explain procedure to create user defined packages in java
5. Explain thread synchronization?
6. Discuss about thread priorities?
7. Explain working with applets.
8. What is a servlet? How to run servlets?

SECTION-B

II. Answer ALL the following Questions **5X10=50M**

9. Explain difference OOPS concepts?

(OR)

10. Explain features of JAVA
11. Explain different data types available in java

(OR)

12. Explain different operators available in java
13. Explain different handling exceptions in java?

(OR)

14. What is thread? Explain thread life cycle methods with example.
15. What is an applet? Explain the life cycle of applet?

(OR)

16. Explain HTML applet tag.
17. Explain RMI architecture.

(OR)

18. Explain networking classes in JDK

Room No: _____ **Regd No** 26

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

III – SEMESTER END EXAMINATIONS

Class	: II B.Com (Comp)	Max Marks	: 75
Subject	: Computers	Pass Mark	: 30
Title of Paper	: Programming With C++	Duration	: 3Hrs
Paper Code	: R20COMC303	Time	: 9am-12noon
W.E.F	: 2022-23	Date	: 13-06-2024

SECTION-A

I. Answer any FIVE of the following Questions **5X5=25M**

1. Explain about different Data Types in C language.
2. Explain the difference between while and do-while.
3. What is recursion? Explain with an example.
4. What is a function? Write a procedure to create user defined function.
5. Explain the concept of Function overloading.
6. Define the following terms
   a) Objects b) Classes c) Data members
7. Define Destructor with an example.
8. What is Inheritance? Explain single level inheritance.

SECTION-B

II. Answer ALL the following Questions **5X10=50M**

9. Explain different operators available in C.

(OR)

10. Explain different Decision Making Statements.

11. What is an Array? Explain different types of arrays with examples.

(OR)

12. Write the difference between call by value and call by reference with an example.

13. Explain the concepts of OOPs.

(OR)

14. Explain the structure of C++.

15. Define Constructor. Explain types of Constructors with examples.

(OR)

16. Explain briefly about operator overloading with an example

17. What are the Advantages and Disadvantages of Inheritance?

(OR)

18. What is Hierarchical Inheritance? Explain with an example program.

Regd No:_____ Room No: 27

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
III SEMESTER END EXAMINATIONS

Class	: II B.Voc (IT, WT)	Max Marks	: 75
Subject	: Computers	Pass Mark	: 30
Title of Paper	: E-Commerce	Duration	: 3 Hrs
Paper Code	: R20WSEC302/WSEC302/ITEC302	Paper Time	: 9am-12noon
W.E.F	: 2021-22	Date	: 12-06-2024

SECTION – A

I. Answer any FIVE Of the following questions. **5X5=25M**

1. Write about E-Commerce & Media convergence?
2. Write about Supply Chain Management with its types?
3. Define EDI with its advantages.
4. Write about the factors that make the internet useful for EDI?
5. Write about Work -flow automation and coordination?
6. Write about the internal information systems?
7. What is data warehouse? Explain different types of data warehouse?
8. Write about E-check with its advantages?

SECTION –B

II. Answer ALL the following Questions. **5X10=50M**

9. Explain about B2C, B2B E-Commerce with their advantages and disadvantages.

(OR)

10. Explain about E-Commerce Organization applications.

11. Explain about EDI with its architecture?

(OR)

12. Explain about MIME with its components.

13. Explain about new forms of Organizational structure.

(OR)

14. What are the advantages and disadvantages of virtual organizations?

15. Explain in detail the various types of digital documents.

(OR)

16. Explain about various methods in Marketing Research?

17. Write in types of credit card-based e-payment methods.

(OR)

18. Explain the procedure of handling risks arising out of E-commerce.

Regd No:_____ **Room No:** 28

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
III SEMESTER END EXAMINATIONS

Class	: II B.Sc. (MPCS, MECS, MSCS, MCCS)	Max Marks	: 75
Subject	: Computer Science	Pass Mark	: 30
Title of Paper	: Database Management Systems	Duration	: 3 Hrs
Paper Code	: R20CSC301	Paper Time	: 9am-12noon
W.E.F	: 2021-22	Date	: 13-06-2024

SECTION – A

I. Answer any FIVE Of the following questions. **5X5=25M**

1. What is the difference between Data and Information?
2. Explain about the classification of DBMS.
3. What is weak entity? Explain with suitable example.
4. What is key? Explain Various types of keys.
5. Explain different set operations in SQL.
6. Explain aggregate functions in SQL.
7. Explain basic structure of PL/SQL block.
8. Write a PL/SQL program to find factorial of given number.

SECTION –B

II. Answer ALL the following Questions **5X10=50M**

9. What is data model? Explain different data models in DBMS.

(OR)

10. Explain the components of Database Management System.
11. Explain about Extended Entity Relationship (EER) model.

(OR)

12. What is attribute? Explain about classification of attributes.
13. Explain about EF Codd's relational database rules.

(OR)

14. What is normalization? Explain 1NF, 2NF and 3NF with examples.
15. What is a view? Explain about views.

(OR)

16. Explain about DML commands.
17. Briefly explain triggers in PL/SQL.

(OR)

18. Explain about loop control statements in PL/SQL.

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Room No: _____ Regd No: 29

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

III – SEMESTER END EXAMINATIONS

Class : II B.Sc (MPCS, MECS, MSCS, MCCS) BCA/B.Sc (DS)/ B.Voc (WT)
Subject : Computer Science
Title of Paper : OOps With Java/Progamming in Java
Paper Code : CBCSC301/CBBCA301/DSOJ301/WSPJ301
W.E.F : 2021-22

Max Marks : 75
Pass Mark : 30
Duration : 3 Hrs
Time : 9am -12noon
Date : 13-06-2024

SECTION-A

I. Answer any FIVE of the following Questions **5X5=25M**

1. Explain about Java Virtual Machine.

2. Explain about Type Casting

3. Explain about Switch statement

4. Explain about Constructors

5. Explain about types of errors.

6. Explain Thread Priority.

7. Explain procedure to create and run Applet.

8. Explain different types of Arrays.

SECTION-B

II. Answer ALL the following Questions **5X10=50M**

9. Explain various features of Java.

(OR)

10. Explain various operators in Java.

11. Explain Method over loading with example.

(OR)

12. Explain Control Structures in Java.

13. Explain Multiples Inheritance using interfaces with program

(OR)

14. Explain Life Cycle of Thread.

15. Explain exception Handling with program.

(OR)

16. Explain Abstract classes and Abstract methods with example.

17. Explain Applet Life Cycle in detail.

(OR)

18. Explain procedure to create user defines packages in detail.

Regd No:_____ Room No: 20

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
III SEMESTER END EXAMINATIONS

Class	: II B.Sc (DS)	Max Marks	: 75
Subject	: Computer Science	Pass Mark	: 30
Title of Paper	: Data Mining & Data Analysis	Duration	: 3Hrs
Paper Code	: DSDD301 / R20DSDD301	Time	: 9:00 - 12:00 N
W.E.F	: 2019-20	Date	: 11/06/2024

SECTION- A

I. Answer any FIVE of the following questions **5 X 5 = 25 M**

1. Explain advantages and disadvantages of Data Mining.
2. Explain feature selection.
3. What is a bootstrap?
4. Describe lazy learning.
5. What is clustering?
6. What is a decision tree?
7. What is Data cleaning?
8. Explain KDD versus Data Mining.

SECTION – B

II. Answer all of the following questions **5 X 10 = 50M**

9. Explain the stages of Data Mining process.

(OR)

10. Explain about the architecture of Data Mining.

11. Explain about Data Mining query language.

(OR)

12. Explain about Data pre-processing.
13. Explain about model over fitting .

(OR)

14. Explain how to evaluate the performance of a classifier.
15. Explain support vector model.

(OR)

16. Explain Bayesian classification.

17. Explain partitioning methods.

(OR)

18. Explain model based methods and outlier analysis.

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Room No: _____ **Regd No:** 3)

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS
III – SEMESTER END EXAMINATIONS

Class	: II B.Sc (IOT), B.Voc (IT)	Max Marks	: 75
Subject	: Computer Science	Pass Mark	: 30
Title of Paper	: OOPs With Python	Duration	: 3 Hrs
Paper Code	: IOTOP301/ITPP301/R20IOTOP301	Time	: 9am-12noon
W.E.F	: 2019-20	Date	: 13-06-2024

SECTION-A

I. Answer any FIVE of the following Questions **5X5=25M**

1. Explain the Features and Basic Syntax of Python.

2. Explain Operators in Python.

3. Explain List operations in Python.

4. Explain Function Calling in Python.

5. Explain Reading Data from keyboard in files.

6. Explain except clause in Exception handling with an example.

7. Explain Class and Object in Python.

8. Explain Inheritance in Python.

SECTION-B

II. Answer ALL the following Questions **5X10=50M**

9. Explain Conditional Statements in Python with examples.

(OR)

10. Explain Accessing Strings and String Slices in Python with examples.

11. Explain the concept of Tuples in Python.

(OR)

12. Explain the concept of Dictionaries in Python.

13. What is a Function? Explain the types of Functions with examples.

(OR)

14. Explain the concept of Modules in Python.

15. Explain Opening and Closing Files, Reading and writing Files with an example.

(OR)

16. Explain the concept of Exception Handling in Python with an example.

17. Define OOP. Explain Overloading, Overriding and Data hiding in Python.

(OR)

18. Explain the concept of Threads in Python.

Room. No: _____ **Regd. No:** 39

III SEMESTER END EXAMINATION

Class	: II BCA/B.Sc(MPCs/MECs/MSCS/MCCS)	Max Marks :75
Subject	:Computer Science	Pass Marks :30
Title of paper	: OOPS WITH JAVA	Duration :3 Hrs
Subject Code	: CBBCA301 & CBCSC301/R20DSOJ301	Time : 9am-12noon
W.E.F	: 2016-2017	Date : 13.06.2024

SECTION-A

Answer any FIVE of the following Questions **5X5 = 25M**

1. Write short notes on Java Virtual Machine (JVM)
2. What is Arithmetic Expression? Explain how it is evaluated?
3. What is the difference between Method overloading and Method overriding?.
4. Explain various String operations?
5. What is a Thread ? How can you give priorities to the thread ?.
6. What is an Interface ? Write examples.
7. Explain various types of Errors?
8. Describe Local and Remote applet ?

SECTION-B

Answer ALL of the following. **5X10 = 50M**

9. What are the features of JAVA ?

(OR)

10. Explain different types of operators in JAVA ?

11. Explain about Looping statements ?

(OR)

12. What are wrapper classes ? Explain different wrapper classes with examples.

13. Explain Interfaces and extending them with examples.

(OR)

14. What is a Package ? How to create, access and use a package.

15. Write the lifecycle of Thread with a neat diagram.

(OR)

16. List some of the most common types of exceptions that might occur in JAVA.

17. Explain Applet lifecycle with an example.

(OR)

18. How to design a webpage ? Explain.

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Room No: _____ **Regd No:** 33

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

III – SEMESTER END EXAMINATIONS

Class	: II BBA	Max Marks	: 60
Subject	: Commerce	Pass Mark	: 24
Title of Paper	: Organisation Behaviour	Duration	: 3 Hrs
Paper Code	: R20BBA301A	Time	: 9am - 12noon
W.E.F	: 2023-24	Date	: 11-06-2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Scope of the Organisation Behaviour?

2. Explain the Characteristics of Personality?

3. Define Power and its Sources?

4. Culture and its types?

5. Perception

6. Johari Window

7. Organisational Change

8. Define Learning and its Characteristics?

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Explain the Challenges and Opportunities of Organisation Behaviour?

(OR)

10. Explain about the role of manager in Organisation Behaviour?

11. Explain various Theories of Personality?

(OR)

12. Write about McGregor Theory X and Theory Y of Motivation?

13. Explain various Theories of Learnings?

(OR)

14. Explain about the Process of Perception?

15. Explain various Theories of Leadership?

(OR)

16. What are the types of Transactional Analysis?

17. What are the various reasons for Resistance to Change, Explain.

(OR)

18. Explain various types of Organisational Conflicts in detail?

Room No: _____ Regd No: 34

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

III – SEMESTER END EXAMINATIONS

Class : II B.Com(COMP,TP,LOG,GEN) Max Marks : 75
Subject : Commerce Pass Mark : 30
Title of Paper : Business Statistics Duration : 3 Hrs
Paper Code : CBBS301A Time : 9am-12noon
W.E.F : 2023-24 Date : 12-06-2024

SECTION-A

I. Answer any FIVE of the following Questions **5X5=25M**

1. Explain various types of Averages.

2. Define Skewness.

3. What are the properties of Dispersion?

4. Find the Arithmetic Mean for the following Data.

Marks	40	50	60	70	80	90	100
No.of.Students	12	8	11	7	12	5	5

5. Find the Harmonic Mean from the following data.

X	10	12	14	16	18	20

6. Calculate Median for the following data

X	24	26	28	30	32	40	38	34	36
Fequency	12	7	8	10	9	6	10	16	7

7. Find the Mean Deviation from the following data.

X	10	11	12	13	14	15	16
Fequency	3	12	18	12	3	2	1

8. Compute Range and Co-efficient of Range for the following data.

X	30	36	40	46	50	60	70
Fequency	12	6	10	20	4	8	2

SECTION-B

II. Answer ALL the following Questions **5X10=50M**

9. Represent the following data with a Histogram.

Marks	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40
No of Students	10	12	17	20	22	18	10	1

(OR)

10. Prepare Simple Bar-diagram from the following data.

Year	2012	2013	2014	2015	2016	2017
Exports	20	15	13	14	22	10

[P.T.O]

11. Calculate Arithmetic Mean from the following data.

Marks	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80
No of Students	5	10	20	40	30	20	10	4

(OR)

12. Calculate Geometric Mean for the following data.

X	10-20	20-30	30-40	40-50	50-60
F	14	20	42	54	45

13. Calculate Median for the following data.

X	10-19	20-29	30-39	40-49	50-59	60-69	70-79
F	14	20	42	54	45	18	7

(OR)

14. Find the Mode from the following data.

Marks	10-20	20-30	30-40	40-50	50-60	60-70
No of Students	4	6	20	10	7	3

15. Compute Standard Deviation for the data given below.

Marks	0-10	10-20	20-30	30-40	40-50	50-60
No of Students	6	10	12	21	13	8

(OR)

16. Compute Quartile Deviation for the data given below.

CI	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80
Frequency	5	10	20	40	30	20	10	4

17. Calculate Karl Pearsn's Co-efficient of Skewness for the following data.

Marks	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90
No of Students	5	9	14	20	25	15	8	4

(OR)

18. Calculate Bowley's Co-efficient of Skewness for the following data.

Marks	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80
No of Students	5	8	7	12	28	20	10	10

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

III – SEMESTER END EXAMINATIONS

Class	: II BBA	Max Marks	: 75
Subject	: Commerce	Pass Mark	: 30
Title of Paper	: Financial Management	Duration	: 3 Hrs
Paper Code	: R20BBA303	Time	: 9am - 12noon
W.E.F	: 2023-24	Date	: 13 - 06 - 2024

SECTION-A

I. Answer any FIVE of the following Questions **5X5=25M**

1. What are the general objectives of Financial Management?
2. What are the functions of finance Manager?
3. What is the significance of Capital Budgeting?
4. Explain the nature of investment decisions?
5. What are the types of Working Capital?
6. Explain the significance of Cash Management.
7. What is leverage? Explain the different types of leverages?
8. What are the types of Dividend policy?

SECTION-B

II. Answer ALL the following Questions **5X10=50M**

9. Define Financial Management. Explain the nature and scope of finance.

(OR)

10. What is Profit Maximisation? Explain its advantages and disadvantages.
11. Define Capital Budgeting. Explain the process of Capital Budgeting.

(OR)

12. The following two projects A and B requires an Investment of 2,00,000 each. The income returns after tax for these projects are as follows:

Year	Project A	Project B
1	Rs.80,000	Rs.20,000
2	Rs.80,000	Rs.40,000
3	Rs.40,000	Rs.40,000
4	Rs.20,000	Rs.40,000
5	-	Rs.60,000
6	-	Rs.60,000

Using the following criteria, determine which of the projects is preferable:
i) ARR method ii) Present value approach, if the company's cost of capital is 10%

Year:	1	2	3	4	5	6
Disc. Factor:	0.909	0.826	0.751	0.683	0.621	0.564

13. Define Working Capital. Explain the factors influencing the Working Capital.

(OR)

[P.T.O]

14. Cost sheet of a company provides you the following information.

Elements of cost	Amount per Unit
Materials	80
Direct labour	30
Overheads	60
Total cost	170
Profit	30
Selling price	200

The following further particulars are available:

a) Raw materials are stock for one month (avg.)

b) Raw materials are in process on an average for half a month.

C) Finished goods are in stock on an average for one month

d) Credit allowed by supplier one month.

e) Lag in payment of overheads is one month

f) Lag in payment of wages is 1 1/2 weeks.

G) 1/4th output is sold against cash.

h) Cash in hand and at bank is expected to be RS. 1,25,000.

i) Credit allowed to customers 2 months.

You are required to prepare a statement showing the working capital needed to finance level of activity of 2,08,000 units of production.

15. What is the capital structure? Explain the factors influencing of capital structure.

(OR)

16. India Ltd. is capitalized with Rs.10,00,000 dividend into 1,00,000 equity shares of Rs.10 each. The management desires to the raise another Rs.10,00,000 to finance a major expansion programme. There are 4 possible financial plans.

i. All equity shares.

ii. All debentures carrying 8% interest.

iii. Rs.5,00,000 in equity shares and Rs.5,00,000 in debentures carrying 10% interest.

iv. Rs.5,00,000 in equity shares and Rs.5,00,000 in 10% preference shares.

You are required to calculate EPS if the EBIT is: a) Rs.4,80,000 and b) Rs.6,00,000

17. What is Dividend Decision? And What are the types of Dividend?

(OR)

18. Explain the WALTERS MODEL.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

III – SEMESTER END EXAMINATIONS

Class	: II B.Com(TP)	Max Marks	: 75
Subject	: Commerce	Pass Mark	: 30
Title of Paper	: Indian Banking System	Duration	: 3 Hrs
Paper Code	: R20COMT303	Time	: 9am-12noon
W.E.F	: 2023-24	Date	: 13-06-2024

SECTION-A

I. Answer any FIVE of the following Questions **5X5=25M**

1. Investment Banking.
2. Reverse Repo rate.
3. Offshore Banking.
4. Investment Banking
5. NABARD
6. KYC Norms.
7. RTGS.
8. Account Opening of Joint-Stock Company.

SECTION-B

II. Answer ALL the following Questions **5X10=50M**

9. Explain the Functions of Commercial Banks.

(OR)

10. Explain the Nationalization of Banks.
11. Explain the functions of RBI.

(OR)

12. Explain Origin and structure of RBI.
13. Explain about ATM, E-Banking and Internet Banking.

(OR)

14. Explain the SEBI Guidelines regarding Venture Capital.
15. Define Branch Banking? What are the advantage and Disadvantages of Branch Banking?

(OR)

16. Define Unit Banking? What are the advantage and Disadvantages of Unit Banking?
17. Explain types of Customers.

(OR)

18. Explain Responsibilities of Paying Banker.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

III – SEMESTER END EXAMINATIONS

Class	: II B.Com(COMP)	Max Marks	: 75
Subject	: Computer Science	Pass Mark	: 30
Title of Paper	: Web Designing	Duration	: 3 Hrs
Paper Code	: CBWD301	Time	: 9am - 12noon
W.E.F	: 2023-24	Date	: 14-06-2024

SECTION-A

I. Answer any FIVE of the following Questions **5X5=25M**

1. What is network? Write the types of networks?

2. Explain the analog and digital signal?

3. Write about a browser with its components?

4. Explain about HTML structure with example?

5. Write about formatting tags in HTML?

6. What is CSS? Write the elements of Style sheet?

7. Explain the internal and external style sheet?

8. Write about arrays in java Script with example?

SECTION-B

II. Answer ALL the following Questions **5X10=50M**

9. Explain about different network topologies?

(OR)

10. Explain about various connecting devices?

11. Explain about text formatting tags in HTML?

(OR)

12. Explain about linking tags in HTML?

13. Explain about table tag in HTML?

(OR)

14. Explain various input tags in HTML?

15. Explain types of mathematical functions in Java Script?

(OR)

16. Explain about types of style sheets with examples?

17. Explain about control structures in Java Script?

(OR)

18. Write a Java Script code to check whether the given number is Prime or not

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS
III – SEMESTER END EXAMINATIONS

Class : II B.Voc (WT)
Subject : Computer Science
Title of Paper : Advanced Angular JS
Paper Code : R20WSAAJ303A
W.E.F : 2023-24

Max Marks : 60
Pass Mark : 24
Duration : 3 Hrs
Time : 9am - 12noon
Date : 14-06-2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Explain features of Angular2.

2. Explain about Angular 2 components.

3. Explain about styling Angular2 components.

4. Explain about Attribute Binding in Angular2.

5. Explain about Class Binding in Angular2

6. Explain about Built Pipes in Angular2.

7. Explain about Custom Pipes in Angular2.

8. Explain Angular2 Error Handling.

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Explain Angular2 Architecture.

(OR)

10. Explain about Angular2 Modules.

11. Explain about Angular2 container components

(OR)

12. Explain about Angular2 Nested components.

13. Explain Event Binding

(OR)

14. Explain Two way data binding

15. Explain about Angular2 Directives.

(OR)

16. Explain Angular Interpolation.

17. Explain about Routing in Angular2.

(OR)

18. Explain Angular-2 servlets.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

III – SEMESTER END EXAMINATIONS

Class	: II BCA	Max Marks	: 75
Subject	: Commerce	Pass Mark	: 30
Title of Paper	: Accounting And Financial Management	Duration	: 3 Hrs
Paper Code	: R20BCA301	Time	: 9am – 12noon
W.E.F	: 2022-23	Date	: 11-06-2024

SECTION-A

I. Answer any FIVE of the following Questions **5X5=25M**

1. Meaning and Scope of Accounting

2. What is ledger

3. Components of Financial Statements

4. Meaning and purpose of Balance Sheet

5. Objectives of ratio analysis

6. Meaning of Cash flow Statement

7. Elements of Cost

8. Cost of Capital

SECTION-B

II. Answer ALL the following Questions **5X10=50M**

9. Journalise the following Transactions

		Rs.
2015 June 1	Radha Started Business with	80,000
2	Paid into Bank	60,000
4	Bought goods for cash	10,000
12	Sold goods for cash	20,000
17	Purchased Furniture from Vijay	5,000
18	Sold goods to Ganesh	10,000
19	Withdraw from the Bank for personal use	5,000
20	Purchase goods from Ramu	5,000
25	Interest received	200
30	Salaries Paid	1,000

(OR)

10. Explain the reasons for differences between Cash book and Pass book balances.

11. Explain the Objectives of preparation of Financial Statements

(OR)

12. Draw the Formats of Profit and Loss account and Balance Sheet

[P.T.O]

13. What are the Advantages and Dis advantages of Ratio analysis

(OR)

14. Calculate cash flow from operating activities (Indirect Method)

A. Opening balance of P&L a/c	Rs.2500
B. Closing balance of P&L a/c	Rs.75000
C. Transfer to general reserve	Rs.20000
D. Depreciation during the year	Rs.30000
E. Goodwill written off	Rs.10000
F. Loss on sale of fixed assets	Rs.15000
G. Profit on sale of Investment	Rs.20000

15. Explain different types of cost centers

(OR)

16. From the following particulars prepare a cost sheet

Raw materials consumed Rs.1,60,000
Direct wages Rs.2,40,000
Manufacturing expenses Rs.1,00,000
Salaries Rs.1,20,000
Rent, Rates and Taxes Rs.20,000
Selling Expenses Rs.60,000
General Expenses Rs.40,000
Sales Rs. 8,00,000

17. Define Marginal Cost ? Explain the advantages of Marginal Costing

(OR)

18. Explain merits of budgetary control ?

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

III – SEMESTER END EXAMINATIONS

Class	: II B.Com (Gen, TP, Comp , Log) , BBA	Max Marks	: 50
Subject	: Commerce	Pass Mark	: 20
Title of Paper	: Retailing	Duration	: 2 Hrs
Paper Code	: R20SDC302B	Time	: 9am-11am
W.E.F	: 2022-23	Date	: 07.06.2024

SECTION-A

I. Answer any FOUR of the following Questions **4X5=20M**

1. Definitions of retailing

2. Importance of retailing

3. Administrative mechanism

4. Criteria for store location

5. Human resources in retailing

6. Customer Care

7. How service to customers in retailing

8. Objectives of retailing

SECTION-B

II. Answer any THREE of the following Questions **3X10=30M**

9. Briefly explain role of retailing.

10. What are the factors influencing the Growth of Retailing in India?

11. Explain different types of retails outlets.

12. Briefly explain visual merchandising activities.

13. Briefly explain enhancing customer loyalty and sales promotion.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

III – SEMESTER END EXAMINATIONS

Class	: II BCA	Max Marks	: 60
Subject	: Commerce	Pass Mark	: 24
Title of Paper	: Accounting And Financial Management	Duration	: 3 Hrs
Paper Code	: R20BCA301A	Time	: 9am - 12noon
W.E.F	: 2022-23	Date	: 11.06.2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Explain the objectives of Accounting.

2. What is Bank Reconciliation Statement?

3. Explain the components of Financial Statements.

4. Meaning & purpose of Balance Sheet

5. What is cash flow statement?

6. Classification of Cost

7. Cost of capital and capital structure

8. Break Even Analysis.

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Journalise the following transactions in the books of Mr. Mahesh

2023 jan 01 Business Started with capital Rs.3,00,000
05 Purchased good from Gopal Krishna Rs.20,000
06 Sold goods to Ramesh Rs.18,000
08 Cash paid into bank Rs.5,000
10 Furniture purchased for cash Rs.14,500
12 Cash withdrawn from Bank for office use Rs.8,000
15 Wages paid Rs.4,000
18 Paid for office stationery Rs.2,000

(OR)

10. Explain the various Books of Accounting.

11. Explain objectives for preparation of financial statements.

(OR)

12. What are the Steps for preparation of Balance Sheet.

13. Explain the importance of cash flow statement.

(OR)

14. From the following balances calculate cash from operations.

[P.T.O]

	31st,Dec 2021	31St Dec, 2022
Bills Receivable	50,000	47,000
Debtors	10,000	12,500
Bills payable	20,000	25,000
Creditors	8,000	6,000
Outstanding Expenses	1,000	1,200
Prepaid Expenses	800	700
Accrued income	600	750
Income received in advance	800	250
Profit made during the year	---	70,000

15. Explain various Cost concepts.

(OR)

16. From the following particulars prepare a cost sheet.

Stock of material on	01.01.2016	30,850
Work in progress	01.01.2016	60,900
Stock of finished goods	01.01.2016	6,450
Purchase of raw materials		1,43,250
Direct wages		1,78,500
Production overheads expenses		1,42,800
General overhead expenses		1,12,700
Stock of raw materials	31.12.2016	37,700
Work in progress	31.12.2016	67,750
Stock of finished goods	31.12.2016	10,000
Sales		8,60,000

17. Write the differences between Shares and Debentures.

(OR)

18. What is working capital? Explain its components.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

III – SEMESTER END EXAMINATIONS

Class	: II B.Com (Gen,Tp,Log,Comp)	Max Marks	: 60
Subject	: Commerce	Pass Mark	: 24
Title of Paper	: Advanced Accounting	Duration	: 3 Hrs
Paper Code	: R20COM301A	Time	: 9am - 12noon
W.E.F	: 2022-2023	Date	: 11-06-2024

SECTION-A

I. Answer any FIVE of the following Questions 5X4=20M

1. Explain between Single entry system?
2. Discuss about Installment purchase system?
3. Write about profit entities?
4. Write a short note on partnership deed?
5. Explain about Insolvency of partner?
6. Give a short note on Income and expenditure account?
7. What are the advantages of hire purchase system?
8. Explain the various types of good will?

SECTION-B

II. Answer ALL the following Questions 5X8=40M

9. Explain the features of Nonprofit organizations?

(OR)

10. Vijawada Friends club gives you their Receipts and payments A/c and other information and request you to prepare their Income and Expenditure A/c for the year ending 30-6-2021 and Balance sheet as on that date

Receipts and payments A/C For the year ended 30-6-2021

Receipts	Rs	payments	Rs
TO Balance	3,800	By Salaries	20,000
To Subscription	90,000	By Buildings	1,55,000
To Donations for buildings	80,000	By Purchase of investment	20,000
To Sale of Investment	42,000	By printing	22,000
To Interest	10,000	By General Expenses	4,000
		By Balance	5,000
	2,26,000		2,26,000

Additional Information:-

1)Opening balance- BuildingsRs.20,000; Investments Rs. 50,000; Outstanding subscriptions 6,000.

2)Value of Investments Sold is Rs. 45,000

3)Interest receivable on investments on 30-6-2021 Rs.1,500

4)Outstanding Subscriptions on 30-6-2021 Rs. 7,800

5)Subscriptions in advance on 30-6-2021 Rs. 500.

[P.T.O]

11. Define single entry? What are the advantages and disadvantages of Single system?

(OR)

12. A trader has not kept proper books of account. Following balances are placed before you and you are required to prepare a statement of gross profit and net profit for the year ended 31st March,2021 and a statement of affairs as at the date.

Particulars	1-4-2020	31-3-2021
Cash In hand	5,350	5,400
Book Overdraft	45,000	40,000
Stock in trade	59,350	62,200
Sundry creditors	38,600	37,200
Sundry Debtors	30,200	29,800
Bills Receivable	42,400	40,800
Land and Buildings	53,000	53,000
Furniture	4,600	4,600
Bills Payable	62,000	58,000

Drawings during the year amounted to Rs.6,000 depreciation is to be calculated on land and buildings at 2% and on furniture and fittings at 10%. Provide for double debts at 2 ½%.

13. What are the difference between Hire purchase system and Installment purchase system?

(OR)

14. Ram Lal sells goods at hire-purchasing basis. Hire purchase price is made of profit at 50% on hire purchase price. Calculate profit from the information given below by preparing Hire-Purchase Trading Account:

2020 Rs

Jan.1	Installments due in the beginning	15,000
Dec.31	Installment due during the year	40,000
	Cash received during the year	50,000
	Goods sold during the year	42,000
	Installments unpaid (Not due) on 31st December	10,000
	Goods repossessed during the year (amount due Rs. 500)	50

15. What is partnership deed and explain the contents of partnership deed?

(OR)

16. Sunil, Devan and Ravi are equal partners in a firm and their Balance sheet as on 31-3-2021 is given below:

[CONTINUED TO NEXT PAGE]

Liabilities	Rs	Assets	Rs
Creditors	40,000	Machinery	43,000
Reserve	4,500	Furniture	1,500
Capitals:		Debtors	30,000
Sunil	15,000	Stock	15,000
Devan	12,000		
Ravi	18,000		
	89,500		89,500

Ravi retired on 31-3-2021 and assets were revalued as under:
Machinery Rs.51,000. Furniture Rs 1,200, Debtors Rs. 28,500 Stock Rs.14,700. Good will of the firm is valued at Rs.9,000 and Ravi's share of good will is to be adjusted to continuing partners capitals without raising goodwill Account. Give Journal entries, prepare necessary ledger Accounts and new balance sheet.

17. Write about dissolution of a partnership firm and insolvency of partner?

(OR)

18. Below is the balance sheet of M/s, A,B and C as on 31-3-2021:

Liabilities	Rs	Assets	Rs
Sundry Creditors	40,000	Cash	1,000
A's Loan	10,000	Stock	24,000
A's Capital	5,000	Debtors	20,000
B's Capital	3,000	Furniture	3,000
		C's Capital overdrawn	10,000
	58,000		58,000

Due to the inability to pay the creditor the firm is dissolved. B and C cannot pay anything. A can contribute only Rs. 1,500 from his private estate. Stock realizes Rs. 15,000. Debtors realize Rs.16,000 and furniture is sold for Rs.1,000. Expenses amount to Rs. 3,000. Prepare account to close the book of the firm.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

III – SEMESTER END EXAMINATIONS

Class	: II BBA	Max Marks	: 60
Subject	: Commerce	Pass Mark	: 24
Title of Paper	: Human Resource Management	Duration	: 3 Hrs
Paper Code	: R20BBA302A	Time	: 9am – 12noon
W.E.F	: 2022-23	Date	: 12-06-2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Importance of HRM.

2. Job Analysis.

3. Objectives of Training.

4. Essentials of Job Evaluation.

5. Quality of Work Life.

6. Types of Training.

7. Process of Performance Appraisal.

8. Objectives of HRP.

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Define HRM? Explain the History and Evolution of HRM?

(OR)

10. Discuss the duties and responsibilities of HR Manager?

11. Define Human Resource Planning? Explain the process of Human Resource Planning?

(OR)

12. Define Job Analysis? Explain the Process of Job Analysis?

13. Discuss the Techniques of Executive Development?

(OR)

14. Define Career Planning? Discuss the Objectives and Process of Career Planning?

15. Define Job Evaluation? Explain the methods of Job Evaluation?

(OR)

16. Define Compensation Management? Explain its Components?

17. Discuss the difference between Domestic HRM and International HRM?

(OR)

18. Explain the Objectives of International Human Resource Management?

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

III – SEMESTER END EXAMINATIONS

Class	: II B.Com (Gen,Tp,Log,Comp)	Max Marks	: 60
Subject	: Commerce	Pass Mark	: 24
Title of Paper	: Business Statistics	Duration	: 3Hrs
Paper Code	: R20COM302A	Time	: 9am-12noon
W.E.F	: 2022-2023	Date	: 12-06-2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Importance of statistics

2. Geometric mean in statistics

3. Concept of Standard deviation.

4. What is skewness.

5. What is probable error.

6. Arithmetic mean.

7. Define range.

8. Uses of correlation.

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Explain the advantages and dis advantages of statistics?

(OR)

10. Prepare a Histogram from the following data.

Marks	625-650	650-675	675-700	700-725	725-750
No.of Students	30	45	75	60	35

11. what are the qualities of good average?

(OR)

12. Find the geometric mean from the following data :

$\bar{x}$	10-20	20-30	30-40	40-50	50-60
f	5	10	15	7	4

13. Define dispersion. Explain various measures of dispersion.

(OR)

14. From the following data find quartile deviation and its coefficient.

x	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50
f	8	10	12	15	10	7	8	5

[P.T.O]

15. Explain different types of skewness?

(OR)

16. From the following frequency distribution, find out KarlPearson's skewness, and coefficient.

Wages in ₹	10	20	30	40	50	60
No.of workers	3	7	10	20	6	4

17. Explain various measures of correlation?

(OR)

18. Calculate the co-efficient of correlation from the following data:

X	9	8	7	6	5	4	3	2	1
Y	15	16	4	3	1	2	0	8	9

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
III – SEMESTER END EXAMINATIONS

Class : II BCA
Subject : Commerce
Title of Paper : Accounting And Financial Management
Paper Code : CBAFM301
W.E.F : 2022-23

Max Marks : 75
Pass Mark : 30
Duration : 3 Hrs
Time : 9am - 12noon
Date : 12-06-2024

SECTION-A

5X5=25M

I. Answer any FIVE of the following Questions

1. Explain accounting cycle.

2. Distinguish between trade discount and cash discount

3. Explain about various types of errors.

4. Rule a petty cash book with four analysis columns for (1) postage and stationery (2) Travelling expenses (3) Carriage and (4) Office Expenses and enter up following Transactions

The book is kept on imprest system, the amount of the imprest being Rs. 1000.

2015	
Jan.2	Petty cash in hand Rs.210, Received cash to make up the imprest
Jan. 5	Paid railway fare Rs.39 and bus fare Rs.9: Telegrams Rs. 46; bought books for office Rs.106
Jan.6	Paid carriage on small parcels Rs.56; paid railway fare Rs 49; bought paper and envelops Rs.126
Jan.7	Paid for repairs to typewriters Rs.105; paid carrier's account for the previous week Rs.149
Jan.8	Paid office cleaner Rs.120

Balance petty cash books as on 9th January, 2015 and bring down the balance.

5. Prepare trial balance for the following balance as on 31.3.2016

Particulars	Rs.
Cost of goods sold	5,20,000
Opening stock	50,000
Closing stock	50,000
Salary and wages	50,000
Sales	8,00,000
Plant & machinery	2,00,000
Drawing	50,000
Investment	4,30,000
Creditors	1,00,000
Capital	4,00,000

6. Prepare the Ledger account of Mr.Solkar from the following:

March 1	Debit balance to his account Rs.2000
March 3	Sold goods on credit to him worth Rs.10800
March 8	Received cash from him Rs.12600 and allowed discount of Rs.200
March 10	Solkar bought goods on credit Rs.3000
March 15	Received cash from him Rs.2900 and allowed him discount Rs.100
March 20	Purchased goods on credit from Solkar worth Rs.2000
March 25	Paid cash to Solkar Rs.1000
March 28	Returned goods to him Rs.200
March 31	Paid cash to him in full settlement of his account Rs.780

[P.T.O]

7. Rectify following:

(a) Paid wages for construction of room, debited to wages A/c Rs.890

(b) Purchased goods for the personal use of the proprietor Rs.300, debited to purchases A/

(c) Rs.3000/- spent on the erection of factory plant were charged to repairs account.

(d) A cheque for Rs.2500 from Ram Rao was dishonoured its amount was posted allowance A/c.

(e) A customer cheque of Rs.1500/- received through sitaram was credited to sitaram's account.

8. Journalise the following transactions.

2015 Jan	Rs.	2015 Jan	Rs.
3 Received cash from Rama	15000	17 Received form Hari	1100
4 Purchased goods for cash	2500	20 Bought Furniture from Ram	2200
11 sold goods for cash	3200	27 Paid Rent	480
13 Paid Ramesh	1400	30 Paid Salary	1100

SECTION-B

II. Answer ALL the following Questions **5X10=50M**

9. What is meant by generally acceptance accounting Principles

(OR)

10. Transactions of Ramesh for April, 2015 are given below. Journalise them.

2015 April	Rs.
1 Ramesh started business with cash	40,000
2 Paid into bank	28,000
3 Bought goods for cash	2500
4 draw cash from Bank for office	1100
13 Sold Krishna goods on credit	2150
20 Bought from Shyam goods on credit	4225
24 Received from Krishna	2100
24 Allowed him discount	50
28 Paid Shyam cash	4000
Discount allowed	225
30 Cash sales for the month	8000
Paid Rent	500
Paid Salary	1000

11. From the following trial balance , Prepare Trading profit and Loss account for the year ended 31at December, 2014 and a balance sheet as at that date taking into consideration he following adjustments:

(a) Closing stock Rs.9500 (b) One quarter of insurance premium falls in next year.

(c) provide 10% depreciation on furniture (d) Loan to X carries 8% interest p.a

(e) Loan from Y carries 6 % interest p.a (f) Provide 5% for bad and doubtful debts .

(h) Salaries include salary to the proprietor @Rs.200 per month.

[Continued to Next page - 1]

Debit Balance:	Rs	Credit Balance:	Rs
Stock 1-1-2014	6000	Capital	40000
Salaries	6000	Returns outward	500
Drawing	6000	Loan from Y (1-1-2014)	5000
Carriage Inward	1000	Rent outstanding	100
Carriage outward	500	Creditors	13000
Returns Inward	800	Insurance premium	600
Loan to X (1-1-2014)	3000	Bank	8500
Rent	1200	Purchases	60000
Goodwill	5000	Debtors	30000
		Advertisement	3000
		Bad Debts	500
		Discount	600
		Cash	200
		Furniture	3000
		Liabilities for other Expenses	1900
		Provision for bad Debts	1000
		Discount	300
		Sales	737000
		Rent by subletting	500

(OR)

12. From following details prepare final accounts of Viswanath for the year ended 31st March, 2015.

	Rs.
Capital	100000
Cash in hand	1200
Purchases	120000
Bills payable	22000
Stock(1-4-2014)	35000
Debtors	50000
Creditors	24000
Plant & Machinery	60000
Furniture	15000
Sales	200200
Bills Receivable	20000
Rent, taxed	10000
Wages	16000
Reserve for bad debts	1000
Salaries	20000

Additional Information:

(a) Stock on 31.03.2015 Rs.4000

(b) Outstanding rent Rs. 2000; wages Rs. 3000; Salaries Rs.4000

(c) Provide depreciation on plant and machinery at 5% on furniture at 10%

(d) Increase Reserve for bad debts on debtors to $2\frac{1}{2}\%$

13. From the following particulars prepare three column cash book for January, 2015. Balance the cash book on 31st January, 2015.

[Continued to Next page - 2]

2015	
Jan. 1	Cash on hand Rs.500; Credit balance with Canara Bank Rs. 1000
Jan.5	Sale proceeds of household furniture Rs.7000 was deposited with the bank
Jan.9	A cheques of Rs.10000 was given to M.patel on account.
Jan.12	Received a cheque of Rs.3000 in full settlement from Khanna & co.
Jan.13	The above cheque was deposited in the bank
Jan.16	The bank returned the cheque
Jan.18	Cash sales Rs.2500
Jan. 20	Cash advance Rs.1000 for travelling given to the salesman.
Jan.25	Received cash Rs.2500 from Rao Bros. in full settlement of Rs.2600 due from them
Jan.28	Paid cash Rs.1500 to Cheri & Co. in full settlement of Rs.1650
Jan.29	Drew for office use Rs.3000 from bank
Jan.30	Paid Salaries Rs. 2300 , Rent Rs.1000 and sundry expenses Rs.700 by cash

(OR)

14. Enter following transactions in the relevant subsidiary books

2015 March	**Rs.**
1 Bought goods from Anil	6500
3 Sold goods to Bharath	1000
4 Allowance claimed from Anil for shortage	50
5 Sold goods to Chandra	1500
6 Sold goods to Devendra	500
9 Bought goods from Eshwar	1000
10 Allowance granted to Devendra for shortage	40
11 Sold goods to Faustin	800
12 Allowance granted to Chandra for overcharge	20
15 Sold goods to Ganesh	700
18 Sold goods to Harish	600
20 Faustin Returned goods	50
22 Ganesh Returned goods	40
23 Returned goods to Eshwar	100
24 Purchased goods from Dinesh	800
25 Sold goods to Gurudas	500
26 Allowed Harish for damaged goods	50
27 Received goods Returned by Gurudas	20
28 Bought goods from Arjun less 5%	400
31 Sold goods to Manohar less 8%	100
31 Delivery and carriage	10

15. The cash book of Mehta showed a balance of Rs. 5380 on 31st March, 2015 at the bank. This figure did not agree with the bank pass book. A comparison of the two revealed the following:

(a) The bank has debited Mehta with Rs.960 the annual premium on his life policy according to his standing instructions and with Rs.30 as bank charges.
(b) The bank has credited Mehta by Rs.1400, the proceeds of a bill.
(c) Mehta paid in cheques totalling Rs.2100 on March 26, of which those for Rs.1560 were collected in march and one of Rs.150 was returned as dishonoured on 31st march, which Mehta received on 2nd April, 2015. The rest were collected and credited in April, 2015. The cash collection on 31st March, 2015 totalling Rs. 610 was entered in the cash book in the bank column on the same day but it was banked on 2nd April , 2015

[Continued to Another page]

(d) In March, 2015 Mehta issued cheques totalling Rs.2870 of which those for Rs.850 had not been presented by the 31st March, 2015.

Mehta has not yet recorded in the cash book matters mentioned in (a) and (b) and the dishonoured cheque mentioned in (c) above.

Show the corrections to be made in the cash book so as to ascertain the balance to be shown in the balance sheet and then prepare the bank reconciliation statement.

(OR)

16. Prepare Bank Reconciliation statement from the following data as on 313-2015:

(i) Balance as per pass book on 31-3-2015 overdrawn Rs.9204

(ii) Bank overdraft interest charged on 28-3-2015 not entered in the cash book Rs.1610

(iii) Cheques drawn on 31-3-2015 but not cleared till march, 2015 Rs.3225, Rs. 745 and Rs.926

(iv) Cheques received on 29-3-2015 entered in the cash book but not deposited to bank till 3rd April, 2015 Rs.11322 and Rs.1730

(v) Cheques received amounting to Rs.35 entered in the cash book twice.

(vi) Bill receivable was sent to bank for collection on 28-3-2015 and was entered in the Cash book fourth with but the proceeds were not credited in Bank pass book till 3rd April , 2015 Rs.2980

(vii) A periodic payment by bank of Rs.80 under standing instruction not entered in the cash book

(viii) Cheques deposited on 31st March, 2015 dishonoured but the entry for dishonour was not made in the cash book Rs.1890

17. Pass Journal entries to rectify the following errors:

(i) Rs.250 received in respect of a book debt was posted to sales account.

(ii) Defective goods worth Rs.200 returned to patel and Co. were recorded through sales returns book.

(iii) Goods sold for Rs.317 to Uttam Bhandar were returned to us and recorded in the sales book.

(iv) Goods costing Rs.500 were sent to shyam Sunder on sale or return (approval) basis for Rs.600. These goods had been recorded in the books as actual sales, but no information has been received so far about their acceptance by shyam Sunder.

(v) A purchase of Rs.2100 from P.Basu on the last day of the year was taken in stock, but the invoice was not passed through the purchases book.

(vi) Materials from stores, Rs.400 and wages , Rs. 300, were used in making tools for use in own factory, but no adjustments were made in the books

18. The Trial balance of a firm is out by Rs.2344 (excess credit). Following errors were found. You are required to pass journal entries to correct them and prepare suspense account.

(a) Sale to Ram for Rs.1500 was credited to his account.

(b) Goods worth Rs.165 returned by a customer, taken into stock, but no entry was made for their return.

(c) Purchase of Rs.697 was posted to the debit of the seller Krishan as Rs.679

(d) Furniture sold for Rs.1540 was posted to the credit of sales account.

(e) Purchase returns book has been cast short by Rs.1200

(f) Cheque received for Rs.890 from Ganesh was dishonoured and while passing entry for dishonor it was posted to the credit of Ganesh for Rs.980

(g) Discount of Rs.1050 allowed to Laxmi was not entered in the discount column of cash book nor posted the account of Laxmi

Room No: _____ Regd No: 57

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
III – SEMESTER END EXAMINATIONS

Class	: II B.Com (Log)	Max Marks	: 60
Subject	: Commerce	Pass Mark	: 24
Title of Paper	: Material Management	Duration	: 3 Hrs
Paper Code	: R20COML303A	Time	: 9 am - 12 noon
W.E.F	: 2022-23	Date	: 13 - 06 - 2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. What is Material Management?

2. Explain the objectives of Material Planning?

3. What is Material Handling?

4. Write a short note on Classification of Materials?

5. What is Material Codification?

6. Explain the Objectives of Material Handling?

7. Write a short note on Classification of Materials?

8. Nature of Material Codification?

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Explain the Phases of Material Management?

(OR)

10. Distinguish between Material Management & Supply Chain Management?

11. Explain the Importance of Material Control?

(OR)

12. What is Material Planning? Explain the techniques of Material Planning?

13. Explain the Types of Material Handling Equipment?

(OR)

14. Explain the Classification of Material Handling Equipment?

15. Write about Material Classification according to condition of Materials?

(OR)

16. What is the need for Classification of Materials?

17. Explain the process of Codification?

(OR)

18. Explain the System of Codification?

Room No: _____ **Regd No:** 51

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS
III – SEMESTER END EXAMINATIONS

Class	: II BBA	Max Marks	: 60
Subject	: Commerce	Pass Mark	: 24
Title of Paper	: Financial Management	Duration	: 3 Hrs
Paper Code	: R20BBA303A	Time	: 9am - 12noon
W.E.F	: 2022-23	Date	: 13-06-2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Nature of Financial Management

2. NPV Vs IRR

3. Cash Management

4. Financial Leverage

5. Dividend Decisions

6. Investment Decisions

7. Business Finance

8. Cost of Capital

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. What do you mean by Financial Management? Explain the functions of Financial Management?

(OR)

10. Breifly Explain the goals of Financial Management?

11. What do you mean by Capital Budgeting? Explain different types of Capital Budgeting?

(OR)

12. A choice is to be made between two competing Proposals, which require an equal investment of Rs.50,000 and are expected to generate net cashflows as under:

Year	Project-I Rs	Project -II Rs
1	25,000	10,000
2	15,000	12,000
3	10,000	18,000
4	Nil	25,000
5	12,000	8,000
6	6,000	4,000

The cost of Capital is 10% which project should be chosen under (a) Payback period (b) NPV method ?

13. Explain the determinants of Working Capital?

(OR)

14. From the following details you are required to make an assessment of the average amount of working capital requirement of AB Ltd.

[P.T.O]

Item	Average period of Credit	Estimate for the first Year Rs.
Purchase of Material	6 Weeks	26,00,000
Wages	1 ½ Week	19,50,000
Overheads:		
Rent,Rates Etc	6 Months	1,00,000
Salaries	1 Month	8,00,000
Other Overheads	2 Months	7,50,000
Sales (Cash)	----	2,00,000
Sales (Credit)	2 Months	60,00,000
Average amount of Stock and working progress	----	4,00,000
Average amount of underdrawn Profit		3,00,000

It is assumed that all expenses and incomes were made at even rate for the year

15. A firm is considering two financial planswith a view to examining their impact on earning per Share(EPS).The total funds required for the investments in assets are Rs.5,00,000.

Financial Plans

	Plan -I	Plan-II
Debt (Interest @10%p.a)	4,00,000	1,00,000
Equity Shares(rs.10 each)	1,00,000	4,00,000
Total Finances required	5,00,000	5,00,000
No.of Equity Shares	10,000	40,000

The earnings before intrestand tax are assumed asRs.50,000, Rs,75,000,and Rs.1,25,000. The rate of tax be taken at 50%.Comment.

(OR)

16. Describe different types of Cost of Capital?

17. Briefly Explain the approaches of Dividend Policy?

(OR)

18. Compute the Pay-out Ratio and the retained earnings ratio from the following data:

No. of Equity Shares	3,000
Dividend per equity shares	Rs.0.40
Net Profit	Rs.10,000
Provision for tax	Rs.5,000
Preference Dividend	Rs.2,000

Room No: _____ **Regd No:** 60

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

III – SEMESTER END EXAMINATIONS

Class	: II B.Com (Gen)	Max Marks	:60
Subject	: Commerce	Pass Mark	:24
Title of Paper	: Marketing	Duration	: 3Hrs
Paper Code	: R20COMG303A	Time	: 9am - 12noon
W.E.F	: 2022-2023	Date	: 13-06-2024

SECTION-A

I. Answer any FIVE of the following Questions 5X4=20M

1. What is marketing mix?
2. Define the term market
3. What is market segment?
4. What is buying behavious models?
5. Product life cycle
6. Branding
7. Determination of price
8. Advertising

SECTION-B

II. Answer ALL the following Questions 5X8=40M

9. Define Marketing and explain the concepts of marketing

(OR)

10. Write about the concepts of
    a) Needs
    b) wants
    c) demand
11. Explain types of market segmentation

(OR)

12. Discuss various stages of buying behaviour
13. Explain about packaging and labelling

(OR)

14. Discuss product mix and product line decisions
15. Explain different types of price strategies

(OR)

16. What are the factors influencing price
17. What are the advantages and limitations of publicity

(OR)

18. Explain the techniques of promotion

Room No: _____ **Regd No:** 61

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
III – SEMESTER END EXAMINATIONS

Class	: II B.Com (TP)	Max Marks	: 60
Subject	: Commerce	Pass Mark	: 24
Title of Paper	: Indian Banking System	Duration	: 3 Hrs
Paper Code	: R20COMT303A	Time	: 9am-12noon
W.E.F	: 2022-23	Date	: 13-06-2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Note on Nationalisation of banks

2. Explain Investment banking

3. What is Reserve Repo Rate

4. Write about NEFT

5. Explain the functions of RRB

6. Indigenous banker vs Money lenders

7. General relation between banker and customer

8. KYC norms

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Explain the trends in Commercial Banking in India

(OR)

10. Explain advantages and disadvantages of branch banking

11. Explain Credit control measures of RBI

(OR)

12. Write about functions of Reserve bank of India?

13. What is Electronic banking? Explain its advantages and disadvantages.

(OR)

14. Explain Mobile banking and its services.

15. Define SIDBI and its functions

(OR)

16. Define NABARD. Explain its role and functions

17. Types of Customers

(OR)

18. Explain the Duties and Responsibilities of collecting banker

Room No: _____ **Regd No:** 62

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

III – SEMESTER END EXAMINATIONS

Class	: II B.Voc (WT)	Max Marks	: 75
Subject	: Computer Science	Pass Mark	: 30
Title of Paper	: Advanced Angular JS	Duration	: 3 Hrs
Paper Code	: R20WSAAJ303/WSAAJ303	Time	: 9am-12noon
W.E.F	: 2022-23	Date	: 14-06-2024

SECTION-A

I. Answer any FIVE of the following Questions **5X5=25M**

1. Explain the Features of Angular2.

2. Explain about Attribute Binding in Angular2.

3. Explain about Angular2 components

4. Explain about Styling angular2 component

5. Explain about Class Binding in Angular2

6. Explain about in built pipes in Angular2

7. Explain about Custom pipes in angular 2

8. Explain about angular2 Error Handling

SECTION-B

II. Answer ALL the following Questions **5X10=50M**

9. Explain Key Components of Angular2

(OR)

10. Explain about Angular2 Modes

11. Explain Angular component input properties and output properties.

(OR)

12. Explain about angular2 container components

13. Explain Event binding

(OR)

14. Explain Two way data binding

15. Explain about Angular 2 directives

(OR)

16. Explain Angular interpolation?

17. Explain about Dependency injection in Angular 2

(OR)

18. Explain Angular 2- Services?

Regd No:_____ Room No: 63

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
III SEMESTER END EXAMINATIONS

Class	: II B.Com (GEN, TP, COMP & LOG)	Max Marks	: 75
Subject	: Commerce	Pass Mark	: 30
Title of Paper	: Advanced Accounting	Duration	: 3 Hrs
Paper Code	: R20COM301	Paper Time	: 9am-12noon
W.E.F	: 2021-22	Date	: 11-06-2024

SECTION – A

I. Answer any FIVE Of the following questions. **5X5=25M**

1. What are features of non trading organizations?
2. Explain the features of Receipts and payments account.
3. What do you mean by single entry system?
4. Explain the features of Hire purchase system.
5. What is partnership deed? Give its contents.
6. Distinguish between fixed and fluctuating capital accounts.
7. What are the circumstances under which a partnership firm gets dissolved?
8. Insolvency of a partner.

SECTION –B

II. Answer ALL the following Questions. **5X10=50M**

9. Distinguish between Receipts and payments account and Income and Expenditure account.

(OR)

10. From the following details prepare Receipts and Payments account.

Opening cash in hand (1-1-2018)	500
Opening Bank Balance (1-1-2018)	4,800
Subscriptions collected	11,000
Entrance fee received	1,000
Salary paid	3,000
Rent paid	1,200
Furniture purchased	2,000
Tournament expenses	3,000
Entertainment expenses	1,500
Periodicals	1,200
Miscellaneous expenses	300
Cash in hand at close (31-12-2018)	800

11. Explain the advantages and defects of single-entry system.

(OR)

12. Mahesh keeps his books on single entry system. From the following information, prepare statement of profit for the year ended 31-12-2022.

[P.T.O]

Particulars	1st Jan.2022	31st Dec.2022
Furniture	2,000	2,000
Stock	28,000	30,500
Sundry Debtors	21,000	34,000
Cash	1,500	2,000
Sundry Creditors	17,500	19,000
Bills payable	--	300
Loan	--	500
Investments	--	1,000

Drawing during the year Rs.5,000. Depreciation on furniture 10% and bad debts Provision @ 10%.

13. Explain the differences between Hire Purchase System and Installment purchase System.

(OR)

14. Santosh Purchased a machine on Hire purchase system. The total cash price of the machine is Rs. 31,960. Payable Rs.8,000 as down payment and three instalments of Rs.12,000, Rs.10,000 and Rs.4,000 payable at the end of the first, second and third year respectively. Interest is charged at 5% p.a. Charge depreciation on straight line method. Pass necessary Journal entries in the books of Santosh.

15. What is a partnership deed? Explain its contents.

(OR)

16. A, B and C were partners sharing profit and losses in the ratio 3:2:1 with share capitals Rs.30,000, Rs.20,000 and Rs.10,000. The profit for the year amounted to Rs.12,000, before allowing interest on capitals, (which is to be calculated at 10%) and C's salary Rs.5,000. Prepare profit and loss account and capital accounts under fluctuating capital method.

17. How would you treat (Procedure) dissolution of partnership.

(OR)

18. The Balance Sheet of A and B as on 31-12-2019 is given below who share profits and Losses in the ratio 2:1

Liabilities	Rs.	Assets	Rs.
A's Capital	45,000	Furniture	6,000
B's Capital	25,000	Freehold property	20,000
General Reserve	24,000	Debtors	60,000
Creditors	16,000	Stock	12,000
		Cash	12,000
	1,10,000		**1,10,000**

They agreed to admit 'C' into the firm on the following terms:

(i) 'C 'will bring cash in Rs.21,000 of which Rs.9,000 will be treated as his share of goodwill to be retained in the business.

(ii) Closing stock is to be valued at Rs.10,500

(iii) 'C' is entitled to one fourth share of the profit.

(iv) Depreciation is to be provided in furniture @5%

Prepare necessary ledger accounts and balance sheet of new firm.

Room No: _____ Regd No: 65

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

III – SEMESTER END EXAMINATIONS

Class	: II B.Com (Gen, TP, Comp, Log)	Max Marks	: 75
Subject	: Commerce	Pass Mark	: 30
Title of Paper	: Advanced Accounting	Duration	: 3 Hrs
Paper Code	: CBAA301	Time	: 9am-12noon
W.E.F	: 2019-20	Date	: 11-06-2024

SECTION-A

I. Answer any FIVE of the following Questions **5X5=25M**

1. Difference between Single entry and Double Entry

2. Distinguish between Hire Purchase and Installment Purchase System.

3. What are the factors of Hire Purchase System?

4. What are the objectives of Branch Accounting?

5. Distinguish between Branch Accounts and Departmental Accounts.

6. Inter Departmental Transfer

7. Features of Installment System

8. State the important objectives of Single-Entry System

SECTION-B

II. Answer ALL the following Questions **5X10=50M**

9. A commenced business on 1st January, 2012 with a capital of Rs. 25,000. He immediately bought furniture for Rs. 6,000. During the year he borrowed Rs. 15,000 from his wife and introduced a further capital of his own amounting to Rs. 9,500. He had withdrawn Rs. 900 at the end of each month for family expenses. On 31st December, 2012, his position was and follows: Cash in hand Rs. 600; Cash at Bank Rs. 7,800; Sundry Debtors Rs, 14,400; Stock Rs.20,400; Bill Receivable Rs. 4,800; Sundry Creditors Rs. 1,500; Rent due Rs. 450. Furniture to be depreciated by 10%. Ascertain the Profit or Loss made be a during 2012.

(OR)

10. A retailer who had kept books of accounts under single entry system, Supplied following information to you. Prepare statement of profit or loss and a revised statement of affairs as on 31.12.2012.

Particulars	01.01.2012	31.12.2012
Stock	16,700	18,500
Creditor	15,400	14,000
Debtor	11,200	10,500
Cash	250	1,200
Bank Overdraft	20,200	19,400
Bills Receivables	15,050	14,200
Furniture	1,500	1,500
Machinery	1,900	1,900

The drawings during the year amount to Rs.2,600. Depreciate furniture by 10%. Write off Rs.300 from machinery. Debtors include Rs. 500 bad debts. Make Provision for doubtful debts at 5% on debtors.

[P.T.O]

11. Mr. Gupta purchased machinery under hire purchase arrangement from Mr. Pankaj. The cash price of the Machinery was Rs. 15,500. The payments for the purchase are to be made as under. On signing the agreement Rs. 3,000; First year end Rs. 5,000; Second year end Rs.5,000; Third year end Rs. 5,000.Make necessary ledger accounts in the books of both the parties charging depreciation @ 10% on diminishing balance method.

(OR)

12. A mini Bus is purchased for Rs. 1,60,000 under hire purchase agreement on 01.01.2010. The amount payable is 40,000 on 01.01.2010 on entering the agreement and the balance in three annual installments of Rs. 50,000 each at the end of each year. Depreciation is charged at 10% on written down value method. Show the asset account and hire vendor's account in the books of the purchaser.

13. Shri Chakraborthy of Kolkata has a Branch at Mumbai. Goods are supplied to the Branch at Cost. The expenses of the Branch are paid from Kolkata and the Branch keeps a Sales Journal and the Debtors Ledger only. From the following information supplied by the Branch, Prepare Branch Account in the books of Head Office.

	Rs.		Rs.
Opening Stock (01.04.2012)	24,000	Goods received from Head Office	30,000
Closing Stock (31.03.2013)	18,000	Expensed paid by the Head Office for the Branch	10,400
Credit Sales	41,000	Sundry Debtors on 31.03.2013	9,160
Cash Sales	17,500		
Receipt from Debtors	37,900		

(OR)

14. Taj Footwear opened a branch at Kolkata. Goods are invoiced to the branch at Cost plus 20%. From the following figures ascertain the profit or loss made at the branch.

	Rs.		Rs.
Goods sent to branch (at invoice Price)	30,000	Cash received from debtors	10,500
Sales :		Discount allowed to debtors	200
Cash	18,000		
Credit	14,000		
		Goods returned by debtors	300
		Closing Stock (at Invoice price)	4,200
		Liability for branch expenses at the close	50

15. On 31.03.2013 the Trail Balance of S.Mann a merchant was extracted and from it the following balances were taken:

[Continued to Next Page]

	Dr. Rs.		Cr. Rs.
Stock (01.04.2012)		**Sales :**	
Department A.	7,000	Department A.	26,000
Department B.	5,000	Department B.	13,000
Purchases			
Department A.	10,000		
Department B.	8,000		
Returns Inward			
Department A.	400		
Department B.	600		
Rent, Rates & Taxes	1,500		
General Expenses	1,200		
Salaries	1,500		
Carriage Inwards	600		
Wages			
Department A.	2,000		
Department B.	1,200		
	39,000		**39,000**

Stock on 31.03.2013 were : Department A Rs. 3,000 ; Department B Rs. 6,000 Make out a Departmental Trading and Profit & Loss Account for the year ended 31.03.2013 from the above information assuming that the Departments occupy similar floor area. All Indirect Expenses are divided among the two department in the ratio 2:1

(OR)

16. From the following particulars given by M/s. Tins and Toys prepare a Departmental Trading and Profit and Loss Account for their two Departments, Viz. Tins Department And Toys Department for the year ended 31.03.2013

	Dr. Rs.		Cr. Rs.
Opening Stock		Office Expenses	4,800
Toys	5,000	Depreciations :	
Tins	15,000	Factory Equipment	3,200
Raw Materials consumed (Tins)	36,000	Buildings	1,600
Stores Consumed	9,000	Sales	
Wages		Tins	90,000
Toys	3,000	Toys	18,000
Tins	6,000	Closing Stock	
Advertisement	1,500	Toys	6,000
Packing expenses (Toys)	600	Tins	12,000
	39,000		**39,000**

You are also given the following additional information :

a) Toys are made of end bits of sheets of raw materials used by Tins Department. The value of such materials used during the year Toys Department was Rs. 2,000

b) Toy making does not require any equipment

Only 1/8 of the total area of Buildings occupied by Toys Department.

[Continued to Another Page]

17. X' Purchases a machine on 1st January, 2012 on the hire purchase system. The cash price of the machine is Rs. 14,900. The terms of the agreement provided at the end of every six months, for payment of Rs. 4,000 over two years. The first payment was to be made on 30th June, 2012. Rate of interest was 6% per annum.

X' wrote off 10% p.a. depreciation on the reducing balance system and closed his books on the 30th June every year. 'X' could not pay the instalment due on 30th June, 2013 and as a result, the hire vendor took back the possession of the machine. Give the Machine Account and Vendor's Account in the books of 'X' and show the loss suffered by him.

(OR)

18. X Purchased seven machines on Hire Purchase on 1st July, 2012. The Cash purchase price of each machine was Rs. 50,000. He was to pay 20% of the cash purchase price at the time of delivery and the balance in five half-yearly instalments starting from 31st December, 2012 with interest @5% per annum.

On X's failure to pay the instalment due on 30th June, 2013 it was agreed that X could return 3 machines to the vendor and remaining 4 would be retained by him. The vendor agreed to allow him a credit for the amount paid against these 3 machines less 25%. Show the relevant accounts in the books of X assuming the books are closed in June every year and Depreciation @ 20% is charged on machines.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

III – SEMESTER END EXAMINATIONS

Class	: II B.Sc (MSCS,DS)	Max Marks	: 75
Subject	: Statistics	Pass Mark	: 30
Title of Paper	: Statistical Inference	Duration	: 3 Hrs
Paper Code	: R20STAT301/R20DSSTAT301	Time	: 9am-12noon
W.E.F	: 2023-24	Date	: 12-06-2024

SECTION-A

I. Answer any FIVE of the following Questions **5X5=25M**

1. Define Sampling Distribution, Standard Error.
2. Explain Methods of moments
3. Distinguish between Point and Interval estimation
4. Explain types of errors.
5. Define Critical Region.
6. Explain the test procedure for Single Mean.
7. Explain Advantages and Dis advantages of Non – Parametric Mean.
8. The data of weight for 100 students are collected in a university and they are divided into two groups i.e. below 60 kg are 30 students and remaining students are above 60 kgs. According to this data can we conclude that students are in equal ratio.

SECTION-B

II. Answer ALL the following Questions **5X10=50 M**

9. Relation between F and X^2 distributions.

(OR)

10. Relation between t and F distributions.
11. State and Prove Crammer Rao Inequality.

(OR)

12. Find MLE for λ in Poisson Population
13. State and Prove Neymsnn – Pearson Lemma.

(OR)

14. Obtain the best critical region for testing $H_0 : \lambda = \lambda_0$ against $H_1 : \lambda = \lambda_1$ for the exponential form.
15. Explain the test procedure of two proportions

(OR)

16. In one sample of 8 observations, the sum of the squares of the deviation of the sample values from the test mean was 84.4 and in the orer sample of 10 observations it was 102.6. test whether this difference is significant at 1% level.

17. A test is conducted for 20 students in a school and marks are given below:
93, 88, 107, 115, 82, 97, 103, 86, 113, 107, 112, 90, 98, 93, 99, 103, 100, 101, 96, 104.
The Statistical hypothesis of the median of the students in a school in 99 marks .

(OR)

18. Explain the MANN – WHITNEY U- Test Procedure.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

III – SEMESTER END EXAMINATIONS

Class	: II BCA/B.Voc(BCA,IT,WT)	Max Marks : 75
Subject	: Mathematics	Pass Mark : 30
Title of Paper	: Algebraic Solutions & Numerical Analysis	Duration : 3 Hrs
Paper Code	: CBCMAT301B/ITMAT301/WSMAT301/R20WSMAT301	Time : 9am-12noon
W.E.F	: 2023-24	Date : 11-06-2024

SECTION-A

I. Answer any FIVE of the following Questions **5X5=25M**

1. Insert 3 A.M's between 14 & 38.
2. Find the 5th term of the series 4+12+36+...
3. Find the value of $\lim_{x\to 0} \frac{1}{x^2-3x+2}$
4. Find the value of $\lim_{x\to \frac{\pi}{2}} \frac{cosx}{x-\frac{\pi}{2}}$
5. Show that $\Delta = E - 1$
6. State and prove Stirling's difference formula.
7. Find the rank of the word 'VICTORY'
8. Find the number of ways of arranging the letters of the word
   i) Independence ii) Mathematics

SECTION-B

II. Answer ALL the following Questions **5X10=50M**

9. The 6th term of a G.P is 1215 and 3rd term is 45.Find the sum of first 6 terms.

(OR)

10. Find the 4 Arithmetic means between 4 & 30.
11. Find the value of $\lim_{x\to 0} \frac{cos3x-cos5x}{x^2}$

(OR)

12. Find the value of $\lim_{x\to a} \frac{\sqrt{a+2x}-\sqrt{3x}}{\sqrt{3a+x}-2\sqrt{x}}$
13. State and prove Newton-Gregory formula for forward interpolation with equal intervals.

(OR)

14. The population of country in decimal census were as under.Estimate the population for the year 1925.

Year	1891	1901	1911	1921	1931
Population in thousands	46	66	81	93	101

15. State and prove Gauss's forward interpolation formula for equal intervals.

(OR)

16. Use Stirling's formula to find y_{28}, given $y_{20} = 49225, y_{25} = 48316, y_{30} = 47236, y_{35} = 45926, y_{40} = 44306$
17. Find the number of 4 digited numbers that can be fomed using the digits 1,2,5,6,7.How many of them are divisible by
    i. 2
    ii. 3
    iii. 4
    iv. 5
    v. 25

(OR)

18. Find the sum of 4 digited numbers that can be formed using 1,2,4,5,6 without repetition.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

III – SEMESTER END EXAMINATIONS

Class	: II B.Sc(MPC,MPCS,MSCS,MECS,MCCS)	Max Marks	: 75
Subject	: Mathematics	Pass Mark	: 30
Title of Paper	: Abstract Algebra	Duration	: 3 Hrs
Paper Code	: R20MAT301	Time	: 9am-12noon
W.E.F	: 2023-24	Date	: 11-06-2024

SECTION-A

I. Answer any FIVE of the following Questions **5X5=25M**

1. Show that the fourth roots of unity form an abelian group with respect to multiplication.

2. Show that in a group G for $a, b \in G$, $(ab)^2 = a^2b^2 \Leftrightarrow G$ is abelian.

3. If H is subgroup of a group G. Then $H^{-1} = H$.

4. If for a group G, $f: G \to G$ is given by $(x) = x^2$, $x \in G$ is a homomorphism, prove that G is abelian.

5. $\begin{pmatrix} 1 & 2 & 3 & 4 & 5 & 6 & 7 \\ 3 & 2 & 4 & 5 & 6 & 7 & 1 \end{pmatrix}$ Examine whether the following permutation is even or odd.

6. If G is finite group and $a \in$ G then O(a)/O(G).

7. Prove that every Boolean Ring is Abelian.

8. Prove that a field has no proper ideals.

SECTION-B

II. Answer ALL the following Questions **5X10=50M**

9. Prove that the set G of rational (real) numbers other than 1, with operation $\oplus$ such that $a \oplus b = a + b - ab$ for $a, b \in G$ is an abelian group. Hence show that $x = \frac{3}{2}$ is a solution of the equation $4 \oplus 5 \oplus x = 7$.

(OR)

10. Prove that the set of n th roots of unity under multiplication form a finite group.

11. H is a non-empty complex of a group G. The necessary and sufficient condition for H to be a subgroup of G is $a, b \in H \Rightarrow ab^{-1} \in H$ Where b^{-1} is the Inverse of b in G.

(OR)

12. State and prove Lagrange's Theorem.

13. If M, N are two normal subgroups of G such that $M \cap N = \{e\}$. Then prove that every element of M commutes with every element of N.

(OR)

14. State and prove Fundamental Theorem on Homomorphism of groups.

15. State and prove Cayley's Theorem.

(OR)

16. The order of a cyclic group is equal to the order of its generators.

17. Prove that every finite integral domain is a field.

(OR)

18. Let S be a non-empty subset of a ring R. Then prove that S is subring of R iff $a - b \in S$ and $ab \in S$ for all $a, b \in S$.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

III – SEMESTER END EXAMINATIONS

Class	: II B.Voc (WT)	Max Marks	: 60
Subject	: Mathematics	Pass Mark	: 24
Title of Paper	: Algebraic Solutions And Numerical Analysis	Duration	: 3 Hrs
Paper Code	: R20WSMAT301A	Time	: 9am - 12noon
W.E.F	: 2023-24	Date	: 11-06-2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Insert 3 A.M between 14 & 38

2. The 4th term of A.P is 17 and 8th term is 33. Determine the number of terms to give sum of 230.

3. Evaluate $lim_{x\to 1}\left[\frac{2x+1}{3x^2-4x+5}\right]$

4. Evaluate $lim_{x\to\frac{\pi}{2}}\frac{\cos x}{x-\frac{\pi}{2}}$

5. Construct the forward difference table for the values

X	0	5	10	15	20	25
f(x)	7	11	14	18	24	32

6. Show that i) $\Delta = E - 1$ ii) $\nabla = 1 - E^{-1}$

7. Find the number of ways of arranging the word INDEPENDENCE

8. If $12c_{r+1} = 12c_{3r-5}$ then find r.

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. The 6th term of a G.P is 1215 and the 3rd term is 45. Find the sum of first 6 terms.

(OR)

10. Find three numbers in A.P whose sum is 9 and product is -165

11. Evaluate $lim_{x\to a}\ \frac{cosax-cosbx}{x^2}$

(OR)

12. Compute $lim_{x\to a}\ \frac{\sqrt{a+2x}-\sqrt{3x}}{\sqrt{3a+x}-2\sqrt{x}}$

13. State and prove Newton-Gregory formula for Interpolation with equal intervals

(OR)

14. Find the value of sin 52° from the given table

θ	45°	50°	55°	60°
$sin\,\theta$	0.7071	037660	0.8192	0.8660

[P.T.O]

15. Derive Gauss's forward difference formula

(OR)

16. Find by Gauss's backward formula the sales of a concerned for the year 1936 given that

Year	1901	1911	1921	1931	1941	1951
Sales (in thousand)	12	15	20	27	39	52

17. Find the number of ways of arranging 3 mathematics, physics and 1 chemistry in a self, such that the books of same kind are together

(OR)

18. Find the number of ways of arranging 6 boys and 6 girls in a row. In how many of them
i) All the girls are together
ii) No two girls are together.
iii) Boys & Girls come alternatively

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS

III – SEMESTER END EXAMINATIONS

Class	: II B.Sc (MSCS/DS)	Max Marks	: 60
Subject	: Statistics	Pass Mark	: 24
Title of Paper	: Statistical Inference	Duration	: 3 Hrs
Paper Code	: R20STAT301A/R20DSSTAT301A	Time	: 9am - 12noon
W.E.F	: 2023-24	Date	: 12-06-2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Define population, parameter, sample and statistic.

2. Explain method of moments.

3. Distinguish between point and interval estimation.

4. Explain two types of errors with one example each.

5. Explain the procedure of testing of hypothesis.

6. Explain the paired 't test for difference of means.

7. Distinguish between parametric and non parametric tests.

8. Explain Mann Whitney U test procedure.

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Define t – distribution and derive its mean and variance.

(OR)

10. Derive the relationship between F & χ^2 distributions.

11. Write the characteristics of a good estimator.

(OR)

12. State and Prove Cramer – Rao Inequality.

13. State and Prove NP lemma.

(OR)

14. Given the frequency function

$$f(x,\theta)=\frac{1}{\theta}\ ,0\le x\le\theta$$

$$=0 \text{ elsewhere}$$

and what are testing the null hypothesis $H_0:\theta=1$ against $H_1:\theta=2$ by means of a single observed value of x, what would be the sizes of the type I and type II errors, if you choose the interval i) $0.5\le x$, ii) $1\le x\le 1.5$ as the critical regions?

[P.T.O]

15. Explain the conditions for the validity of χ^2 test and explain the χ^2 test for independence of attributes.

(OR)

16. In a random of 1000 people in Maharashtra, 540 are rice eaters and the rest are wheat eaters. Can we assume that both rice and wheat eaters are equal in the state? Test at 1% los. (Critical value of Z at 1% los for two tailed test is 2.58)

17. Explain the median test procedure.

(OR)

18. Explain the run test for two samples.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

III – SEMESTER END EXAMINATIONS

Class	: II B.Sc (MPC, MPCS, MECS, MSCS, MCCS)	Max Marks	: 60
Subject	: Mathematics	Pass Mark	: 24
Title of Paper	: Abstract Algebra	Duration	: 3 Hrs
Paper Code	: R20MAT301A	Time	: 9am-12noon
W.E.F	: 2022-23	Date	: 11-06-2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Let G be a group then prove that $(ab)^{-1} = b^{-1}a^{-1}$ for all $a, b \in G$.

2. In a group G, for all $a \in G$ prove that $O(a) = O(a^{-1})$.

3. If H is any subgroup of a group G then prove that HH = H.

4. Prove that every subgroup of an abelian group is normal.

5. Show that the permutation $\begin{pmatrix} 1 & 2 & 3 & 4 & 5 & 6 & 7 \\ 3 & 2 & 4 & 5 & 6 & 7 & 1 \end{pmatrix}$ is odd.

6. Prove that every cyclic group is abelian.

7. Prove that the characteristic of an integral domain is either a prime or zero.

8. Prove that a field has no proper ideals.

SECTION-B

II. Answer the following Questions **5X8=40M**

9. Prove that the n^{th} roots of unity forms an abelian group under multiplication.

(OR)

10. Prove that a finite semi group satisfying cancellation laws is a group.

11. If H and K are two subgroups of a group G then prove that HK is a subgroup of G iff HK = KH .

(OR)

12. State and prove Lagrange's theorem.

13. Prove that A subgroup H of a group G is a normal subgroup of G iff each left coset of H in G is a right coset of H in G.

(OR)

14. State and prove fundamental theorem of homomorphism's of groups.

15. State and prove Cayley's theorem.

(OR)

16. Prove that a group of prime order is cyclic.

17. Prove that every finite integral domain is a field.

(OR)

18. If U_1 and U_2 are two ideals of a ring R then prove that $U_1 \cup U_2$ is an ideal of R iff $U_1 \subseteq U_2$ or $U_2 \subseteq U_1$.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS

III – SEMESTER END EXAMINATIONS

Class	: II B.Sc (MPC, MPCS)	Max Marks	: 60
Subject	: Physics	Pass Mark	: 24
Title of Paper	: Heat And Thermodynamics	Duration	: 3 Hrs
Paper Code	: R20PHY301A	Time	: 9am - 12noon
W.E.F	: 2023-24	Date	: 12-06-2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Explain the transport phenomena on the basis of kinetic theory of gases.

2. What are reversible and irreversible processes? Give example for each

3. Show that the change in entropy in a reversible process is zero.

4. Derive Clausius-Clayperon's equation from Maxwell's equations.

5. Explain the principle and working of refrigerator.

6. State and explain Stefan's-Boltzmann law.

7. Calculate the efficiency of a reversible heat engine working between the temperatures 72^0 C and 187^0 C.

8. In an atomic explosion, the maximum temperature produced was of the order of 10^7 K. Calculate the wavelength of maximum energy. Wien's constant is 0.292 cm K.

SECTION-B

II. Answer the following Questions **5X8=40M**

9. Derive an expression for Maxwell's Law of molecular speeds in a gas.

(OR)

10. Derive an expression for the coefficient of viscosity of a gas on the basis of kinetic theory of gases.

11. Explain the working of Carnot's engine and derive an expression for its efficiency.

(OR)

12. Explain the second law of thermodynamics. State and prove Carnot's theorem.

13. What are thermodynamic potentials? Derive Maxwell's thermodynamic relations from thermodynamic potentials.

(OR)

14. Explain specific heats C_P and C_V of a gas. Derive an expression for ratio of C_p to C_V.

15. What is adiabatic demagnetization? Describe how it is used for the production of low temperatures.

(OR)

16. What is Joule Kelvin effect? Obtain an expression for cooling produced when a gas suffers Joule-Kelvin effect.

17. State Plank's hypothesis. Derive an expression for Plank's radiation law.

(OR)

18. Define solar constant. Describe how the solar constant is determined by using Angstrom's Pyrheliometer.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS

III – SEMESTER END EXAMINATIONS

Class	: II B.Sc (MECS)	Max Marks	: 60
Subject	: Electronics	Pass Mark	: 24
Title of Paper	: Analog Circuits And Communication	Duration	: 3 Hrs
Paper Code	: R20ELE301A	Time	: 9am – 12noon
W.E.F	: 2023-24	Date	: 12-06-2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Define and explain Op-Amp parameters.

2. Explain the working of Op-Amp as summing amplifier.

3. Explain the working of instrumentation amplifier.

4. Explain the working of Schmitt's trigger.

5. Explain the different types of Modulations.

6. Derive an expression for the total power in an AM wave.

7. Explain the frequency spectrum in FM.

8. Explain difference between the AM and FM.

SECTION-B

II. Answer the following Questions **5X8=40M**

9. Draw and explain the block diagram of OP-AMP and explain its characteristics.

(OR)

10. Explain the working of OP-AMP as inverting and Non-inverting amplifier.

11. Draw the circuit of sine wave generator using OP-AMP. Explain the working and derive expression for frequency of oscillations.

(OR)

12. Draw and explain the block diagram of IC555 and write its applications.

13. What is Amplitude modulation? Discuss the frequency spectrum of AM wave.

(OR)

14. Explain how AM signals are detected using a diode detector.

15. Explain frequency modulation. Draw and explain working of FET reactance modulator.

(OR)

16. Draw and explain how FM waves can be detected using PLL method.

17. Draw the block diagram of AM transmitter and explain each block.

(OR)

18. Draw the block diagram of FM super heterodyne receiver and explain each block.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
III SEMESTER END EXAMINATIONS

Class	: II B.Sc. (MPC, MPCS)	Max Marks	: 75
Subject	: Physics	Pass Mark	: 30
Title of Paper	: Heat and Thermodynamics	Duration	: 3 Hrs
Paper Code	: R20PHY301	Paper Time	: 9am - 12noon
W.E.F	: 2020-21	Date	: 12-06-2024

SECTION – A

I Answer the following questions. **5X10=50M**

1. Derive an expression for Maxwell's Law of Distribution of Molecular speeds in a gas..

(OR)

2. On the basis of Kinetic theory of gases derive an expression for thermal conductivity of a gas and discuss the conclusion.
3. State and prove Carnot's theorem.

(OR)

4. Explain the working of Carnot's engine and fine its efficiency.
5. What are thermodynamic potentials? Derive Maxwell's thermo dynamic relations from thermo dynamic potentials.

(OR)

6. Define Cp and Cv. Why Cp is greater than Cv. Derive an expression for difference of specific heats.
7. What is Joule Kelvin effect? Describe Porous plug Experiment and indicate the results.

(OR)

8. Explain adiabatic demagnetization method for producing very low temperatures with necessary theory.
9. Derive an expression for Plank's radiation Law. Deduce Wien's Law from it.

(OR)

10. What is solar constant ? Determine the temperature of the sun.

SECTION – B

II Answer any THREE of the following questions. **3X5=15M**

11. Deduce an expression for diffusion coefficient of gas on the basis of kinetic theory of gases.
12. State and explain second Law of thermodynamics.
13. What are thermo dynamic potentials?.
14. Explain Kapitza's method for liquefying of Helium gas.
15. Define solar constant. Give its significance.

SECTION –C

III Answer any TWO the following Questions. **2X5=10M**

16. Find the wave length at which maximum energy is radiated by a black body having a temperature of 327^0C The Wien's Constant is 2.897×10^{-3} Mk.
17. The average speed of nitrogen molecule at NTP is 450m/s. If the density is $1.25Kg/m^3$, coefficient of viscosity is 1.66×10^{-5} MKS unit . Calculate the mean free path of Nitrogen molecules.
18. Calculate the efficiency of a reversible heat engine working between 72^0C and 187^0C.
19. Calculate the change of entropy when 300gm of lead melt at 327^0C. Lead has a latent heat of fusion 5.85Cal/gm.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS

III – SEMESTER END EXAMINATIONS

Class	: II B.Sc (MCCS, CBZ)	Max Marks	: 60
Subject	: Chemistry	Pass Mark	: 24
Title of Paper	: Organic Chemistry And Spectroscopy	Duration	: 3 Hrs
Paper Code	: R20CHE301A	Time	: 9am-12noon
W.E.F	: 2023-24	Date	: 14-06-2024

SECTION-A

I. Answer any FIVE of the following Questions **5X4=20M**

1. Differentiate Primary, Secondary and Ternary alcohols by Lucas Test.
2. Write any two methods for the preparation of alchol.
3. Write a note on clemmensens and wolf Kishner's reduction.
4. What is Cannizaros reaction?
5. Write a note on Schmidt's reaction.
6. Define Auxochores and Chromophores with suitable examples.
7. Describe equivalent and nonequivalent protons with examples.
8. Write a note on fingerprint region.

SECTION-B

II. Answer ALL the following Questions **5X8=40M**

9. Discuss a mechanism of SN1 and SN2 reactions in the alkyl halides.

(OR)

10. Explain the following reactions
    (i) of Reimer-Tiemann reaction (ii) Kolbe Schmidt reaction

11. Discuss the reaction and mechanism of following the reaction
    a) Aldol condensation b) Benzyl condensation

(OR)

12. Write the preparation and any two synthetic applications of diethyl malonate.

13. Discuss the following reactions in detail
    a) Hunds – decker reaction and b) HVZ reaction .

(OR)

14. Describe any two properties of amides and acid halides.

15. Summarise different types of electronic transistions.

(OR)

16. Discuss the NMR splitting in the compounds (a) Toluene (b) Acetophenone.

17. Write Wood ward – fieser rules for calculating λmax for conjugated dienes and α,β unsaturated carbonyl compounds and apply them for one example each.

(OR)

18. Discuss different types of molecular vibrations.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

III – SEMESTER END EXAMINATIONS

Class	: II B.Sc (MPC, MCCS, CBZ)	Max Marks	: 75
Subject	: Chemistry	Pass Mark	: 30
Title of Paper	: Organic Chemistry And Spectroscopy	Duration	: 3 Hrs
Paper Code	: R20CHE301	Time	: 9am - 12noon
W.E.F	: 2022-23	Date	: 14-06-2024

SECTION-A

I. Answer any FIVE of the following Questions **5X5=25M**

1. Explain Pinacol-Pinacolone rearrangement

2. Write any two preparation methods of Phenols

3. Explain Cannizzaro Reaction with mechanism

4. Write a short note on Claisen Condensation

5. Write any two preparation methods of Acid Chlorides.

6. Define Chromophore and Auxochrome with suitable examples.

7. Write a short note on chemical shift

8. Explain types of molecular vibrations.

SECTION-B

II. Answer ALL the following Questions **5X10=50M**

9. Explain SN^1 and SN^2 reactions with stereo chemistry and mechanism.

(OR)

10. Differentiate Primary, Secondary and Tertiary alchols by using lucass test.

11. Give the reaction mechanisms of

a) i) Aldol condensation ii)Perkin condensation

(OR)

12. Write any two synthetic applications of Ethyl Aceto acetate

13. Discuss the mechanism for following Reactions

i) Huns-Dieker's reaction ii) Arndt-Eistert synthesis

(OR)

14. i) Explain acidic strength of Monocarboxylic acid

ii) Any two preparation methods of Anhydrieds

15. Explain various types of electronic transitions occurs in molecules.

(OR)

16. Explain the NMR spectrums of

i) Ethyl Bromide ii) Acetophenone

17. What are the woodwards rules for calculating λ_{max} of conjugated dienes and α, β unsaturated carbonial compounds. Explain with suitable examples

(OR)

18. Write about IR Spectra of Aldehydes and Ketones.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
III SEMESTER END EXAMINATIONS

Class	: II B.Sc.	Max Marks	: 50
Subject	: Chemistry	Pass Mark	: 20
Title of Paper	: Environmental Audit	Duration	: 2 Hrs
Paper Code	: R20SDC301C	Paper Time	: 9am-11am
W.E.F	: 2021-22	Date	: 07.06.24

SECTION – A

I. Answer any FOUR Of the following questions. **4X5=20M**

1. Write a short notes on soil conservation.
2. What is BOD? Explain its significance in determining the quality of water?
3. Explain the functioning of central pollution board?
4. Write a brief note on the environmental laws that govern the air pollution.
5. Define environmental audit. What are the objectives of environmental audit?
6. Write a short note on soil pollution.
7. Write a short note on Indian policy statement for abatement of pollution, 1992.
8. What is GOI notification on environmental audit?

SECTION –B

II. Answer any THREE Of the following Questions **3X10=30M**

9. What is air pollution and explain in detail about the air pollutants.
10. What is water pollution and explain in detail about the water pollutants.
11. Write an essay on the Air (Prevention and Control of Pollution) act,1981 amended in 1987.
12. What is environmental audit? Explain the various stages involved in it and the benefits of environmental audit to industry.
13. Write an essay on Environment (protection) act, 1986.

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Room No: _____ RegNo: 83

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

III – SEMESTER END EXAMINATIONS

Class : II B.Sc (CBZ) Max Marks : 75
Subject : Botany Pass Mark : 30
Title of Paper : Anatomy & Embryology of Angio-sperms,Plant Ecology & Biodiversity Duration : 3 Hrs
Paper Code : R20BOT301 Time : 9am-12noon
W.E.F : 2023-24 Date : 11-06-2024

SECTION-A

I. Answer ALL The Following Question **5X2 =10M**

1. Pericycle
2. Microspore tetrads
3. Soil erosion
4. Density
5. Earth summit

SECTION –B

II. Answer Any THREE Of The Following Question **3X5=15M**

6. Rosw wood
7. Food chain
8. Structure of ovule in Angiosperms
9. Natality
10. Hot spots

SECTION –C

III. Answer Any FIVE Of The Following Question **5X10=50M**

11. Describe the arrangement of meristematic tissue in the shoot tip.

(OR)

12. Give an account of the vasicular tissue system

13. Given an account on endosperm types in angiospermic plants.

(OR)

14. Describe the process of fertilization in angiosperms

15. Give an account on the basic components of an ecosystem.

(OR)

16. Write the physical and chemical properties of soli

17. Give an account on population growth and growth curves.

(OR)

18. Explain the methods used in the study of plant communities

19. Define biodiversity and explain the different levels of biodiversity.

(OR)

20. Write an essay on wildlife project in Andhra Pradesh

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

(Sponsored by S.K.P.V.V. Hindu High Schools' Committee)

III SEMESTER END EXAMINATIONS JUNE 2024 (B/S)

DATE: 05/06/2024 TO 14/06/2024

DATE	TIME	B.Sc								B.VOC		B.Com				BBM/BBA	BCA
		M.P.C	M.P.CS	M.S.CS	M.E.CS	M.C.CS	CBZ	DATA SCIENCE	IOT	IT-Ites	WEB TECHNOLOGY & S/W DEVELOPMENT	GEN	T.P	COMP	LOGISTICS		
05-06-2024	09.00 to 11.00 A.M	COMMUNICATION AND SOFTSKILLS CBCS8301 (2018-19) **ENVIRONMENTAL EDUCATION R20LSC304 (2021-22)**	COMMUNICATION AND SOFTSKILLS CBCS8301 (2016-17) **ENVIRONMENTAL EDUCATION R20LSC304 (2021-22)**	COMMUNICATION AND SOFTSKILLS CBCS8301 (2018-19) **ENVIRONMENTAL EDUCATION R20LSC304 (2021-22)**	COMMUNICATION AND SOFTSKILLS CBCS8301 (2016-17) **ENVIRONMENTAL EDUCATION R20LSC304 (2021-22)**	COMMUNICATION AND SOFTSKILLS CBCS8301 (2016-17) **ENVIRONMENTAL EDUCATION R20LSC304 (2021-22)**	COMMUNICATION AND SOFTSKILLS CBCS8301 (2016-17) **ENVIRONMENTAL EDUCATION R20LSC304 (2021-22)**	COMMUNICATION AND SOFTSKILLS CBCS8301 (2016-17) **ENVIRONMENTAL EDUCATION R20LSC304 (2021-22)**	COMMUNICATION AND SOFTSKILLS CBCS8301 (2016-17) **ENVIRONMENTAL EDUCATION R20LSC304 (2021-22)**	COMMUNICATION AND SOFTSKILLS CBCS8301 (2016-17)	**ENVIRONMENTAL EDUCATION R20LSC304 (2021-22)**	COMMUNICATION AND SOFTSKILLS CBCS8301 (2016-17) **ENVIRONMENTAL EDUCATION R20LSC304 (2021-22)**	COMMUNICATION AND SOFTSKILLS CBCS8301 (2016-17) **ENVIRONMENTAL EDUCATION R20LSC304 (2021-22)**	COMMUNICATION AND SOFTSKILLS CBCS8301 (2016-17) **ENVIRONMENTAL EDUCATION R20LSC304 (2021-22)**	COMMUNICATION AND SOFTSKILLS CBCS8301 (2016-17) **ENVIRONMENTAL EDUCATION R20LSC304 (2021-22)**	COMMUNICATION AND SOFTSKILLS CBCS8301 (2016-17) **ENVIRONMENTAL EDUCATION R20LSC304 (2021-22)**
06-06-2024	09.00 to 11.00 A.M	CITIZENSHIP EDUCATION CBCE301A (2017-18) **ANALYTICAL SKILLS R20LSC301 (2021-22)**	CITIZENSHIP EDUCATION CBCE301A (2017-18) **ANALYTICAL SKILLS R20LSC301 (2021-22)**	CITIZENSHIP EDUCATION CBCE301A (2017-18) **ANALYTICAL SKILLS R20LSC301 (2021-22)**	CITIZENSHIP EDUCATION CBCE301A (2017-18) **ANALYTICAL SKILLS R20LSC301 (2021-22)**	CITIZENSHIP EDUCATION CBCE301A (2017-18) **ANALYTICAL SKILLS R20LSC301 (2021-22)**	CITIZENSHIP EDUCATION CBCE301A (2017-18) **ANALYTICAL SKILLS R20LSC301 (2021-22)**	CITIZENSHIP EDUCATION CBCE301A (2017-18) **ANALYTICAL SKILLS R20LSC301 (2021-22)**	CITIZENSHIP EDUCATION CBCE301A (2017-18) **ANALYTICAL SKILLS R20LSC301 (2021-22)**	CITIZENSHIP EDUCATION CBCE301A (2017-18)	CITIZENSHIP EDUCATION CBCE301A	CITIZENSHIP EDUCATION CBCE301A (2017-18) **ANALYTICAL SKILLS R20LSC301 (2021-22)**	CITIZENSHIP EDUCATION CBCE301A (2017-18) **ANALYTICAL SKILLS R20LSC301 (2021-22)**	CITIZENSHIP EDUCATION CBCE301A (2017-18) **ANALYTICAL SKILLS R20LSC301 (2021-22)**	CITIZENSHIP EDUCATION CBCE301A (2017-18) **ANALYTICAL SKILLS R20LSC301 (2021-22)**	CITIZENSHIP EDUCATION CBCE301A (2017-18) **ANALYTICAL SKILLS R20LSC301 (2021-22)**	CITIZENSHIP EDUCATION CBCE301A (2017-18) **ANALYTICAL SKILLS R20LSC301, (2021-22)**
07-06-2024	09.00 to 11.00 A.M	GENERAL ENGLISH CBENG301 (2016-17) **ENVIRONMENTAL AUDIT R20SDC301C (2021-22)**	GENERAL ENGLISH CBEND301 (2016-17) **ENVIRONMENTAL AUDIT R20SDC301C (2021-22)**	GENERAL ENGLISH CBENG301 (2016-17) **ENVIRONMENTAL AUDIT R20SDC301C (2021-22)**	GENERAL ENGLISH CBENG301 (2016-17) **ENVIRONMENTAL AUDIT R20SDC301C (2021-22)**	GENERAL ENGLISH CBSNG301 (2016-17) **ENVIRONMENTAL AUDIT R20SDC301C (2021-22)**	GENERAL ENGLISH CBENG301 (2016-17) **ENVIRONMENTAL AUDIT R20SDC301C (2021-22)**	GENERAL ENGLISH CBENG301 (2016-17) **ENVIRONMENTAL AUDIT R20SDC301C (2021-22)**	GENERAL ENGLISH CBENG301 (2016-17) **ENVIRONMENTAL AUDIT R20SDC301C (2021-22)**	GENERAL ENGLISH CBENG301 (2016-17)	GENERAL ENGLISH CBENG301 (2016-17)	GENERAL ENGLISH CBENG301 (2016-17) **RETAILING R20SDC302B (2021-22)**	GENERAL ENGLISH CBENG301 (2016-17) **RETAILING R20SDC302B (2021-22)**	GENERAL ENGLISH CBENG301 (2016-17) **RETAILING R20SDC302B (2021-22)**	GENERAL ENGLISH CBENG301 (2016-17) **RETAILING R20SDC302B (2021-22)**	GENERAL ENGLISH CBENG301 (2016-17) **RETAILING R20SDC302B (2021-22)**	GENERAL ENGLISH CBENG301 (2016-17) **RETAILING R20SDC302B (2021-22)**
08-06-2024	09.00 to 12.00 Noon	CBTEL301A/CBTEL301B CBHIN301/CBHIN301A TELUGU/HINDI (2019-20) R20ENG301 **A COURSE IN CONVERSATION SKILLS**	CBTEL301A/CBTEL301B CBHIN301/CBHIN301A TELUGU/HINDI (2016-17) R20ENG301 **A COURSE IN CONVERSATION SKILLS R20ENG301A (2023-24)**	CBTEL301A/CBTEL301B CBHIN301/CBHIN301A TELUGU/HINDI (2018-19) R20ENG301 **A COURSE IN CONVERSATION SKILLS R20ENG301A (2023-24)**	CBTEL301A/CBTEL301B CBHIN301/CBHIN301A TELUGU/HINDI (2019-20) R20ENG301 **A COURSE IN CONVERSATION SKILLS R20ENG301A (2023-24)**	CBTEL301A/CBTEL301B CBHIN301/CBHIN301A TELUGU/HINDI (2019-20) R20ENG301 **A COURSE IN CONVERSATION SKILLS R20ENG301A (2023-24)**	CBTEL301A/CBTEL301B CBHIN301/CBHIN301A TELUGU/HINDI (2019-20) R20ENG301 **A COURSE IN CONVERSATION SKILLS R20ENG301A (2023-24)**	CBTEL301A/CBTEL301B CBHIN301/CBHIN301A TELUGU/HINDI (2019-20) R20ENG301 **A COURSE IN CONVERSATION SKILLS R20ENG301A (2023-24)**	*****	R20ENG301 **A COURSE IN CONVERSATION SKILLS R20ENG301A (2021-22)**	CBTEL301A/CBTEL301B CBHIN301/CBHIN301A TELUGU/HINDI (2019-20) R20ENG301 **A COURSE IN CONVERSATION SKILLS R20ENG301A (2023-24)**	CBTEL301A/CBTEL301B CBHIN301/CBHIN301A TELUGU/HINDI (2018-19) R20ENG301 **A COURSE IN CONVERSATION SKILLS R20ENG301A (2023-24)**	CBTEL301A/CBTEL301B CBHIN301/CBHIN301A TELUGU/HINDI (2019-20) R20ENG301 **A COURSE IN CONVERSATION SKILLS R20ENG301A (2023-24)**	CBTEL301A/CBTEL301B CBHIN301/CBHIN301A TELUGU/HINDI (2019-20) R20ENG301 **A COURSE IN CONVERSATION SKILLS R20ENG301A (2023-24)**	CBTEL301A/CBTEL301B CBHIN301/CBHIN301A TELUGU/HINDI (2019-20) R20ENG301 **A COURSE IN CONVERSATION SKILLS R20ENG301A (2023-24)**	CBTEL301A/CBTEL301B CBHIN301/CBHIN301A TELUGU/HINDI (2019-20) R20ENG301 **A COURSE IN CONVERSATION SKILLS R20ENG301A (2023-24)**
10-06-2024	09.00 to 12.00 Noon	MS - Excel CBCPC301(2015-16) C Language CBCL301 (2018-19) R20TEL301/R20HIN301 GENERAL TELUGU/ GENERAL HINDI R20TEL301/ R20HIN301	R20TEL301/R20HIN301 **GENERAL TELUGU/ GENERAL HINDI R20TEL301A/ R20HIN301A (2023-24)**	R20TEL301A/R20TEL301B CBHIN301/CBHIN301A TELUGU/HINDI (2019-20) R20ENG301 **A COURSE IN CONVERSATION SKILLS R20ENG301A (2023-24)**	R20TEL301/R20HIN301 **GENERAL TELUGU/ GENERAL HINDI R20TEL301A/ R20HIN301A (2023-24)**	R20TEL301/R20HIN301 **GENERAL TELUGU/ GENERAL HINDI R20TEL301A/ R20HIN301A (2023-24)**	MS - Excel CBCPC301(2015-16) C Language CBCL301 (2018-19) R20TEL301/R20HIN301 **GENERAL TELUGU/ GENERAL HINDI R20TEL301A/ R20HIN301A (2023-24)**	R20TEL301/R20HIN301 **GENERAL TELUGU/ GENERAL HINDI R20TEL301A/ R20HIN301A (2023-24)**	R20TEL301/R20HIN301 GENERAL TELUGU/ GENERAL HINDI R20TEL301/ R20HIN301	*****	*****	MS - Excel CBCPC301(2015-16) C Language CBCL301 (2018-19) R20TEL301/R20HIN301 **GENERAL TELUGU/ GENERAL HINDI R20TEL301A/ R20HIN301A (2023-24)**	MS - Excel CBCPC301(2015-16) C Language CBCL301 (2018-19) R20TEL301/R20HIN301 **GENERAL TELUGU/ GENERAL HINDI R20TEL301A/ R20HIN301A (2023-24)**	R20TEL301/R20HIN301 **GENERAL TELUGU/ GENERAL HINDI R20TEL301A/ R20HIN301A (2023-24)**	MS - Excel CBCPC301(2015-16) C Language CBCL301 (2018-19) R20TEL301/R20HIN301 **GENERAL TELUGU/ GENERAL HINDI R20TEL301A/ R20HIN301A (2023-24)**	MS - Excel CBCPC301(2018-19) C Language CBCL301 (2018-19) R20TEL301/R20HIN301 **GENERAL TELUGU/ GENERAL HINDI R20TEL301A/ R20HIN301A (2023-24)**	R20TEL301/R20HIN301 **GENERAL TELUGU/ GENERAL HINDI R20TEL301A/ R20HIN301A (2023-24)**
11-06-2024	09.00 to 12.00 Noon	Abstract Algebra CBMAT301/CBMAT301A (2019-20) R20MAT301 ABSTRACT ALGEBRA	Abstract Algebra CBMAT301/CBMAT301A (2019-20) R20MAT301 **ABSTRACT ALGEBRA R20MAT301A (2023-24)**	Abstract Algebra CBMAT301/CBMAT301A (2019-20) R20MAT301 **ABSTRACT ALGEBRA R20MAT301A (2023-24)**	Abstract Algebra CBMAT301/CBMAT301A (2019-20) R20MAT301 **ABSTRACT ALGEBRA R20MAT301A (2023-24)**	Abstract Algebra CBMAT301/CBMAT301A (2019-20) R20MAT301 **ABSTRACT ALGEBRA R20MAT301A (2023-24)**	Plant Taxonomy & Embryology CBBOT301/CBBOT301A (2019-20) R20BOT301 **ANATOMY AND EMBRYOLOGY OF ANGIOSPERMS, PLANT ECOLOGY AND BIODIVERSITY R20BOT301A (2023-24)**	DSDD301 R20DSDD301 **DATA MINING AND DATA ANALYTICS R20DSDD301A (2023-24)**	RANDOM VARIABLES AND PROBABILITY DISTRIBUTIONS IOTSTS301 (2019-20) R20IOTSTAT301 DESCRIPTIVE STATISTICS	ALGEBRAIC SOLUTIONS AND NUMERICAL ANALYSIS IDMST301 (2020-21)	WSMA301 R20WSMA7301 **ALGEBRAIC SOLUTIONS AND NUMERICAL ANALYSIS R20WSMAT301A (2023-24)**	Advanced Accounting - I CBAA301 (2016-17) R20COM301 **ADVANCED ACCOUNTING R20COM301A (2023-24)**	Advanced Accounting - I CBAA301 (2016-17) R20COM301 **ADVANCED ACCOUNTING R20COM301A (2023-24)**	Advanced Accounting - I CBAA301 (2016-17) R20COM301 **ADVANCED ACCOUNTING R20COM301A (2023-24)**	Advanced Accounting - I CBAA301 (2016-17) R20COM301 **ADVANCED ACCOUNTING R20COM301A (2023-24)**	Business Communication CBHUB301 (2016-17) R20BBA301 **ORGANISATION BEHAVIOUR R20BBA301A (2023-24)**	CBCMAT301/ CBCMA301A/ CBCMAT301B ALGEBRAIC AND NUMERICAL ANALYSIS (2019-20) R20BCA301 **ACCOUNTING AND FINANCIAL MANAGEMENT R20BCA301A (2023-24)**
12-06-2024	09.00 to 12.00 Noon	WAVE OPTICS CBPHY301/CBPHY301A (2019-20) R20PHY301 HEAT AND THERMODYNAMICS	WAVE OPTICS CBPHY301/CBPHY301A (2019-20) R20PHY303 **HEAT AND THERMODYNAMICS R20PHY301A (2023-24)**	CBSTT301 / CBMT301A STATISTICAL METHODS CBSTT301B (2020-21) R20STAT301 **STATISTICAL INFERENCE R20STAT301A (2023-24)**	DIGITAL ELECTRONICS & DATA CONVERTERS CBELE301/CBELE301A (2019-20) R20ELE301 **ANALOG CIRCUITS & COMMUNICATION R20ELE301A (2023-24)**	*****	CBGCO301/CBBOC301A Cytology, Genetics and Evolution (2019-20) R20BOC301 **CELL BIOLOGY, GENETICS, MOLECULAR BIOLOGY AND EVOLUTION R20BOC301A (2023-24)**	DSSM301A STATISTICAL METHODS R20DSSTAT301 **STATISTICAL INFERENCE R20DSSTAT301A (2023-24)**	IOTMPMS301 MEASURING PRINCIPLES AND MEASURING SYSTEMS IOTAERM301(2019-20) R20IOTLES301 DIGITAL ELECTRONICS	E COMMERCE ITEC302 (2020-21)	E-COMMERCE WSEC302 (2020-21) R20WSEC302 **E-COMMERCE R20WSEC302A (2023-24)**	CBBSE301/CBDSC301A BUSINESS STATISTICS - I (2019-20) R20COM302 **BUSINESS STATISTICS R20COM302A (2023-24)**	CBBSE301/CBBS301A BUSINESS STATISTICS - I (2019-20) R20COM302 **BUSINESS STATISTICS R20COM302A (2023-24)**	CBBSE301/CBBS301A BUSINESS STATISTICS - I (2019-20) R20COM302 **BUSINESS STATISTICS R20COM302A (2023-24)**	BUSINESS STATISTICS - I CBSE301A (2019-20) R20COM302 **BUSINESS STATISTICS R20COM302A (2023-24)**	Human Resource Management-I CBHRM301 (2016-17) R20BBA302 **HUMAN RESOURCE MANAGEMENT R20BBA302A (2023-24)**	Accounting & Financial Management-I CBAFM301 (2016-17) R20BCA302 **OBJECT ORIENTED PROGRAMMING THROUGH JAVA R20BCA302A (2023-24)**
13-06-2024	09.00 to 12.00 Noon	*****	OOPS With Java CBCSC301/ CBSCA301 (2016-17) R20CSC301 **DATA BASE MANAGEMENT SYSTEMS R20CSC301A (2023-24)**	OOPS With Java CBCSC301/ CBSCA301 (2016-17) R20CSC301 **DATA BASE MANAGEMENT SYSTEMS R20CSC301A (2023-24)**	OOPS With Java CBCSC301/ CBSCA301 (2016-17) R20CSC301 **DATA BASE MANAGEMENT SYSTEMS R20CSC301A (2023-24)**	OOPS With Java CBCSC301/ CBSCA301 (2016-17) R20CSC301 **DATA BASE MANAGEMENT SYSTEMS R20CSC301A (2023-24)**	*****	OOPS With Java DSOJ301/CBSCB301/ CBSCA301 R20DSOJ301 **OOPS With Java R20DSOJ301A (2023-24)**	OOPS WITH PYTHON SEOOP301 (2019-20) R20IOTPS301 OOPS With PYTHON	PYTHON PROGRAMMING ITPS301 (2020-21)	PROGRAMMING IN JAVA WSPJ301 (2020-21) R20WSPJ301 **PROGRAMMING IN JAVA R20WSPJ301A (2023-24)**	Banking & Financial Services CBBFS301 (2016-17) R20COM303 **MARKETING R20COM303A (2023-24)**	Banking & Financial Services CBBFS301 (2016-17) R20COMT303 **INDIAN BANKING SYSTEM R20COMT303A (2023-24)**	Banking & Financial Services CBBFS301 (2016-17) R20COM303 **PROGRAMMING WITH C & C++ R20COM303A (2023-24)**	CBMTM301 MATERIAL MANAGEMENT CBMTM301A (2019-20) R20COMLC303 **MATERIAL MANAGEMENT R20COMLC303A (2023-24)**	CBFM301/CBFM301A FINANCIAL MANAGEMENT (2019-20) R20UBA303 **FINANCIAL MANAGEMENT R20BBA303A (2023-24)**	OOPS With Java CBCSC301/ CBSCA301 (2016-17) R20BCA303 **OPERATING SYSTEMS R20BCA303A (2023-24)**
14-06-2024	09.00 to 12.00 Noon	CBOHE301 INORGANIC AND ORGANIC CHEMISTRY CBCHE301A (2019-20) R20CHE301 INORGANIC CHEMISTRY AND SPECTROSCOPY	*****	*****	*****	CBCHE301 INORGANIC AND ORGANIC CHEMISTRY CBCHE301A (2019-20) R20CHE301 **ORGANIC CHEMISTRY AND SPECTROSCOPY R20CHE301A (2023-24)**	CBCHE301 INORGANIC AND ORGANIC CHEMISTRY CBCHE301A (2019-20) R20CHE301 **ORGANIC CHEMISTRY AND SPECTROSCOPY R20CHE301A (2023-24)**	*****	*****	HTML & ANGULAR JS ITHA331 (2020-21)	ADVANCED ANGULAR JS WSAAJS301 (2020-21) R20WSAAJS03 **ADVANCED ANGULAR-JS R20WSAAJS03A (2023-24)**	CBIT301 R20COM305 TAX CBTP301A (2019 -20)	INCOME TAX PROCEDURES & PRACTICES CBITP301L (2016-17)	CBC301 WEB DESIGNING CBWD301 (2017-18)	CBMKM301 PROMOTION MANAGEMENT CBPM301A (2019-20)	CBMKM301 MARKETING MANAGEMENT CBMKM301A (2019-20)	RDBMS CBBCA302 (2016-17)

Controller of Examinations

Principal