## KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
## VI – SEMESTER END EXAMINATIONS

| | |
|---|---|
| Class : III B.Com (Gen) | Max Marks : 75 |
| Subject : Commerce | Pass Mark : 30 |
| Title of Paper : Emerging Areas in Accounting | Duration : 3 Hrs |
| Paper Code : CBEAA607 | Time : 2pm–5pm |
| W.E.F : 2017-18 | Date : 22.05.2024 |

### SECTION-A

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

1. Write about Human Resource Accounting

2. Importance of Inflation Accounting

3. What is CAA

4. What is Environment accounting

5. Explain Fund Accounting

6. Briefly Explain about Opportunity cost

7. Importance of Social accounting

8. Explain Green accounting

### SECTION-B

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

9. What is HRA? Write the objectives of Human resource accounting?

**(OR)**

10. A firm has started its business with a capital of Rs.5,00,000. It has purchased Fixed Assets worth Rs.2,50,000 in cash. It has kept Rs.1,30,000 as working capital and incurred Rs1,20,000 on recruitment , training and developing the engineers and a few workers. The value of engineers and workers is assessed as Rs. 4,00,000. Show these items in the balance sheet.

11. Give a proforma of Social Balance Sheet

**(OR)**

12. Give a Social Income Statement proforma?

13. What are the Limitations of Historical Accounting?

**(OR)**

14. From the following information, as per historical cost accounting method, compute the Monetary Working Capital adjustment under current cost accounting method

| | 1 Jan , 2016 | 31 Dec, 2016 |
|---|---|---|
| Account receivable | 7,000 | 12,000 |
| Accounts Payable | 3,850 | 6,440 |
| Monetary Working Capital | 3,150 | 6,160 |
| Price index for Materials | 200 | 230 |
| Price index for finished goods | 150 | 180 |

15. What are the implementations of environmental accounting records?

**(OR)**

16. Write about Green accounting concept?

17. Write about Resource Consumption Accounting?

**(OR)**

18. Write the Intrinsic value of accounting?

# KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
## VI – SEMESTER END EXAMINATIONS

Class : III B.Com (Log)
Subject : Commerce
Title of Paper : E-Filling
Paper Code : R20COML606
W.E.F : 2022-23

Max Marks : 75
Pass Mark : 30
Duration : 3 Hrs
Time : 2pm–5pm
Date : 21·05·2024

## SECTION-A

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

**1.** What are the five heads of income?

**2.** What is eBIR form?

**3.** What is ITR-1?

**4.** What is prosecution in income tax?

**5.** What is Penalty?

**6.** What are GST Returns?

**7.** Distinguish between Fees and Penalty.

**8.** What is Offence?

## SECTION-B

**II. Answer any FIVE of the following Questions**                    5X10=50M

**9.** Explain different types of Assessees?

**10.** What are the advantages of Filing Income tax Return?

**11.** Explain various types of Income tax Returns?

**12.** What are the benefits of E-payment?

**13.** What are the different kinds of Defaults?

**14.** Explain computation of arms Lenth Price

**15.** How many types of Returns Filing under GST?

**16.** What are the Offences under GST?

# KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
## VI – SEMESTER END EXAMINATIONS

Class : III B.Com (Gen,TP)      Max Marks : 75
Subject : Commerce            Pass Mark : 30
Title of Paper : Goods & Services Procedure & Practice      Duration : 3 Hrs
Paper Code : R20COMG606/R20COMT606      Time : 2pm-5pm
W.E.F : 2022-23            Date : 21.05.2024

## SECTION-A

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

1. What is output tax liability?

2. Who is liable to pay GST?

3. Explain how to allocate GST rates to stocks.

4. How can you create stock groups in tally?

5. What is output tax on sales voucher.

6. Write purchase and sales voucher entry with multiple rated GST goods?

7. Explain the information covered in GSTR-3

8. What is the need of tax return.

## SECTION-B

**II. Answer any FIVE of the following Questions**          5X10=50M

9. Explain about schedule for payment of GST.

10. What is ITC and explain ITC utilization.

11. Discuss the process of creating single and multiple ledgers.

12. Write the procedure to create stock items?

13. Explain the procedure of GST purchase and sales voucher entry.

14. Write the procedure to create new GST voucher types?

15. Explain the steps of filling GST returns by regular business.

16. Explain the main features of GST payment process.

# KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
## VI – SEMESTER END EXAMINATIONS

| | |
|---|---|
| Class : III B.Com (Gen) | Max Marks : 75 |
| Subject : Commerce | Pass Mark : 30 |
| Title of Paper : Financial Reporting | Duration : 3 Hrs |
| Paper Code : CBFR606A | Time : 2pm–5pm |
| W.E.F : 2020-21 | Date : 21-05-2024 |

## SECTION-A

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

1. What is financial reporting?

2. Minority Interest

3. Write a short note on corporate government reports?

4. What is market value added?

5. Write a note on evaluation of financial reporting?

6. Define holding company & subsidiary company?

7. Write a short notes on corporate social responsibilities report?

8. What is value added statement?

## SECTION-B

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

9. What is the global initiative in financial reporting ?

**(OR)**

10. What are the Objectives of financial reporting ?

11. The following are the Balance sheets of R Ltd; S Ltd; as at 31st March, 2015.

| Liabilities | H Ltd. Rs. | S Ltd. Rs. | Assets | H Ltd. Rs. | S Ltd. Rs. |
|---|---|---|---|---|---|
| Share Capital: Shares of Rs.10 each, fully paid | 5,00,000 | 2,00,000 | Sundry Assets | 4,26,000 | 3,04,000 |
| Reserves | 1,00 ,000 | 50,000 | 100% Shares in S Ltd. Acquired on 31st March, 2015(Cost) | 2,54,000 | |
| Creditors | 80,000 | 60,000 | Preliminary Expenses | | 6,000 |
| | 6,80,000 | 3,10,000 | | 6,80,000 | 3,10,000 |

Prepare a Consolidated Balance Sheet as at 31st March, 2015.

**(OR)**

12. How would you treat pre -acquisition and post acquisition profits ?

13. What are the reporting requirements under companies act 2013?

**(OR)**

14. Write about National Financial Reporting Authority.

15. Write about Directors Reports as per company's Act 2013?

**(OR)**

16. Write a short note on Business Responsibility Reporting?

17. Explain advantages and limitations of value added statements?

**(OR)**

18. Explain market value added Vs Economic value added.

# KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
## VI– SEMESTER END EXAMINATIONS

Class : III B.Com(GEN,TP)    Max Marks : 75
Subject : Commerce    Pass Mark : 30
Title of Paper : Income Tax Assessment Procedures & Practice    Duration : 3 Hrs
Paper Code : R20COMG605/R20COMT605    Time : 2pm – 5pm
W.E.F : 2023-24    Date : 20.05.24

## SECTION-A

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

1. Gross Total Income

2. Tax rates for individual

3. Explain about Clubbing of income

4. What is Refund of Tax?

5. PAN

6. Write about E – filling.

7. Form 26AS traces.

8. Write about Tax Collect at Source(TCS).

## SECTION-B

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

9. How to compute total income of firm.

10. Explain about set off and carry forward of losses.

11. What are the provisions laid down in Income Tax Act in regard to Advance Tax?

12. Explain various forms of Return of Income.

13. What is the procedure for filling E –Return?

14. 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.3,00,000 p.a.

   His other information are as follows:

   LIC premium paid RS.6,000 p.a.

   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

[P.T.O]

**15.** Shri Anjaneya has submitted the following particulars for the A.Y. 2023-24

| | | | |
|---|---|---|---|
| i) | Income from salary (Computed ) | | 4,00,000 |
| ii) | House property income (Computed ) | | 2,00,000 |
| iii) | Income from business | | 5,00,000 |
| iv) | Long term capital gain | | 50,000 |
| v) | Short term capital gain | | 20,000 |
| vi) | Agriculture income in India | | 4,000 |

Note: i) Short term capital gain is from the sale of equity shares for which securities transaction tax was not paid.

ii) Long term capital gain is from the sale of equity shares for which securities transaction tax was paid.

Calculate the Tax Liability of Shri Anjaneya for the assessment year 2023-24

**16.** A,B and C are partners of a firm enjoying profits and losses in the ratio 3 : 2 : 1. From the following available particulars compute the book profit and total income of the firm for the Assessment year 2023-24 assuming that the ×firm fulfils the conditions of Sec .184

### Profit and Loss Account

#### (for the year ended 31.3.2023)

| | Rs. | Rs. | | Rs. |
|---|---|---|---|---|
| To Sundry Expenses | | 1,64,500 | By Gross profit | 2,00,000 |
| To Salaries: | Rs. | | By Interest on Securities (Gross) | 18,600 |
| A | 17,000 | | | |
| B | 15,000 | 32,000 | By Dividend from Indian Companies(Gross) | 10,000 |
| To Commission to C | | 20,000 | By Income from House Property | 20,000 |
| To Interest on Capital @ 12% p.a.: | | | By Capital Gains (Short term) | 18,000 |
| A | 5,000 | | | |
| B | 10,000 | 15,000 | | |
| To Net Profit: | | | | |
| A | 17,550 | | | |
| B | 11,700 | | | |
| C | 5,850 | 35,100 | | |
| | | 2,66,600 | | 2,66,600 |

Sundry expenses include Rs.5,000 spent for the purchase of a scooter by A for using as conveyance to attend office.

Room No: _____                                    Regd No: _____

# KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
## VI – SEMESTER END EXAMINATIONS

| | |
|---|---|
| Class : III B.Com (Log) | Max Marks : 75 |
| Subject : Commerce | Pass Mark : 30 |
| Title of Paper : E-Commerce | Duration : 3 Hrs |
| Paper Code : R20COML605 | Time : 2pm–5pm |
| W.E.F : 2022-23 | Date : 20.05.2024 |

## SECTION-A

**I. Answer any <u>FIVE</u> of the following Questions**                    **5X5=25M**

1. What is E-Commerce? What are its Advantages and disadvantages

2. What is meant by Internet

3. Explain Security Environment

4. What is meant by Cyber Law

5. What is meant by E-Retailing

6. What is meant by Online-Shopping

7. What is meant by E-Payment System

8. Define Internet Banking

## SECTION-B

**II. Answer <u>ALL</u> the following Questions**                    **5X10=50M**

9. Explain Nature and Scope of E-Commerce

10. Discuss about types of E-Commerce Models

11. Differentiate between Internet vs Intranet vs Extranet

12. Explain the importance of Digital Signature and Components of Cyber Law

13. Explain different types of Online Shopping

14. Explain the types of E-Payment system

15. Describe in details of Digital Apps

16. Describe in detail about E-Services

# KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
## VI – SEMESTER END EXAMINATIONS

Class          : III B.Com(Gen,TP,Computers)    Max Marks  : 75
Subject        : Commerce                        Pass Mark  : 30
Title of Paper : Auditing                        Duration   : 3Hrs
Paper Code     : CBAU605                         Time       : 2pm-5pm
W.E.F          : 2020-21                         Date       : 20.05.2024

## SECTION-A

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

1. Write any five objectives of Auditing.

2. Write about continuous audit.

3. Write about Audit Program.

4. What is Vouching?

5. Write about company audit.

6. Write the provisions regarding re-appointment of company auditor.

7. Write about Audit Note Book.

8. What is Final Audit?

## SECTION-B

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

9. Explain the advantages and Disadvantages of Auditing.

### (OR)

10. Explain how auditing helps in improving the consistency of financial reports.

11. Explain the advantages and disadvantages of periodical audit.

### (OR)

12. Explain the objectives and purpose of Management Audit.

13. What is internal control and explain how auditing helps for internal control?

### (OR)

14. Explain various steps to be taken at the time of commencement of a new audit.

15. What is cash voucher and explain the points to be consider while verifying cash vouchers in auditing.

### (OR)

16. Distinguish between Vouching and Verification.

17. Explain the liabilities and disqualifications of company auditor.

### (OR)

18. Explain various contents in audit report.

Room No: _____          Regd No: _____

## KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
## VI – SEMESTER END EXAMINATIONS

| | | |
|---|---|---|
| Class | : III B.Com (TP) | Max Marks : 75 |
| Subject | : Commerce | Pass Mark : 30 |
| Title of Paper | : Customs Procedure & Practice | Duration : 3 Hrs |
| Paper Code | : R20COMT606 | Time : 2pm-5pm |
| W.E.F | : 2022-23 | Date : 18.05.2024 |

### SECTION-A

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

**1.** Customs Act 1962

**2.** Import Manifest

**3.** Concession to tourists

**4.** Clearance of Baggage

**5.** Meaning of Duty Drawback

**6.** Damaged goods

**7.** Remissions of duty

**8.** Export policy

### SECTION-B

**II. Answer any FIVE of the following Questions**          **5X10=50M**

**9.** Explain the importance of customs organization in India.

**10.** Explain the overview of customs Tariff Act 1975.

**11.** Write about various kinds of duties.

**12.** Explain the prohibition on exportation and importation of goods.

**13.** Explain the clearance procedure for import by stores.

**14.** Write about drawback claim procedure.

**15.** Explain the exemptions and remissions of duty.

**16.** What are the export promotion schemes?

# KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
## VI– SEMESTER END EXAMINATIONS

| | | | |
|---|---|---|---|
| Class | : III B.Com (GEN) | Max Marks | : 75 |
| Subject | : Commerce | Pass Mark | : 30 |
| Title of Paper | : General Insurance Procedure & Practice | Duration | : 3 Hrs |
| Paper Code | : R20COMG604 | Time | : 2pm–5pm |
| W.E.F | : 2023-24 | Date | : 18.05.2024 |

## SECTION-A

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

1. Insurance Advisory Committee.

2. General Insurance Corporation Act.

3. Certificate of Insurance.

4. Hit and Run accidents.

5. Calculation of Loss, of Fire Insurance.

6. Calculation of premium, of Marine Insurance.

7. Crop Insurance Vs. Agriculture Relief.

8. Insurance Riders.

## SECTION-B

**II. Answer Any FIVE of the following Questions**          5X10=50M

9. Explain the features and functions of General Insurance.

10. Discuss the powers and functions of IRDA.

11. Explain the requirements for compulsory Third Party Insurance.

12. Write an essay on Motor Vehicle Act, 1988.

13. Explain the policies of Marine Insurance in India.

14. Write an essay on Fire Insurance Policies.

15. Explain the types of Agriculture Insurance.

16. Explain about various types of Health Policies.

## KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
## VI SEMESTER END EXAMINATIONS

| | | | |
|---|---|---|---|
| Class | : III BCOM (GEN,TP,COMP) | Max Marks | : 75 |
| Subject | : Commerce | Pass Mark | : 30 |
| Title of Paper | : Marketing | Duration | : 3 Hrs |
| Paper Code | : CBMR604 | Paper Time | : 2pm – 5pm |
| W.E.F | : 2017-18 | Date | : 18.05.2024 |

### SECTION – A

**I. Answer any <u>Five</u> Of the following questions.**                    **5X5=25M**

1. Marketing.

2. Market segmentation.

3. Labeling.

4. Skimming price.

5. Personal selling.

6. Marketing environment.

7. Packaging.

8. Online marketing.

### SECTION –B

**II. Answer <u>ALL</u> the following Questions**                    **5X10=50M**

9.     Define marketing mix and explain the elements of marketing mix.

**(OR)**

10.    Explain the various types of marketing environment.

11.    Define segmentation and explain the various types of market segmentation.

**(OR)**

12.    What are the stages involved in buying decision process?

13.    Briefly explain the stages of the product life cycle

**(OR)**

14.    Define packaging and explain the functions of packaging in marketing.

15.    Explain the different pricing methods in marketing.

**(OR)**

16.    What are the factors influencing the price determination.

17.    Define promotional mix and explain the elements in promotional mix.

**(OR)**

18.    Write a note on various distribution channels.

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# KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
## VI – SEMESTER END EXAMINATIONS

| | | | |
|---|---|---|---|
| Class | : III B.Com(LOG) | Max Marks | : 75 |
| Subject | : Commerce | Pass Mark | : 30 |
| Title of Paper | : **Export &Import Procedure & Practice** | Duration | : 3Hrs |
| Paper Code | : **R20COML604** | Time | : 2pm – 5pm |
| W.E.F | : 2022-23 | Date | : 18.05.2024 |

## SECTION-A

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

**1.** EXIM policy.

**2.** SEZs.

**3.** Role of Export promotion council

**4.** Commercial documents.

**5.** Bill of Leading

**6.** Letter of credit.

**7.** Cargo insurance.

**8.** Shipment of goods.

## SECTION-B

**II. Answer any FIVE the following questions**                          5X10=50M

**9.** Discuss the procedures for Import trade process.

**10.** Explain the role of Export credit and Guarantee corporation of India.

**11.** Define SEZ? Explain about the objectives of SEZ.

**12.** Discuss about the principal and auxiliary documents.

**13.** What are the factors determining the payment methods.

**14.** Explain the different types of Letter of credits.

**15.** Explain the procedures for Export of goods.

**16.** Define Marine insurance? Explain its marine insurance policies.

**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**
**VI – SEMESTER END EXAMINATIONS**

| | | | |
|---|---|---|---|
| Class | : III B.Com (Log) | Max Marks | : 75 |
| Subject | : Commerce | Pass Mark | : 30 |
| Title of Paper | : Logistics Services And Practice | Duration | : 3 Hrs |
| Paper Code | : R20COML603 | Time | : 2pm – 5pm |
| W.E.F | : 2022-23 | Date | : 17/05/2024 . |

## SECTION-A

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

1. What is transportation? Explain its benefits?

2. Define courier and explain courier guidelines?

3. Discuss Financial issues in logistics performance?

4. Discuss various modes of transportation in Global Logistics?

5. Write the principles of material handling?

6. Explain various types of inventory?

7. What is the need and importance of warehouse?

8. Write the definition of supply chain management and importance?

## SECTION-B

**II. Answer any FIVE of the following Questions**                    5X10=50M

9. Write the meaning of logistics and explain principles of logistics?

10. What do you know about reverse logistics in E-commerce sector?

11. What are the Global Logistics Barriers?

12. Explain the classification of Material and also explain MRP (Material Requirement Planning)

13. Explain the following warehouse activities

    **a)** Receiving **b)** Sorting **c)** Loading **d)** Unloading **e)** Picking **f)** Packing **g)** Dispatch

14. Explain the safety rules and procedure in the ware house?

15. What is Supply chain? Explain its Strategy

**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**
**VI – SEMESTER END EXAMINATIONS**

| | | | |
|---|---|---|---|
| Class | : III B.Com (Gen) | Max Marks | : 75 |
| Subject | : Commerce | Pass Mark | : 30 |
| Title of Paper | : Life Insurance With Practice | Duration | : 3 Hrs |
| Paper Code | : R20COMG603 | Time | : 2pm —5pm |
| W.E.F | : 2022-23 | Date | : 17/05/2024 |

## SECTION-A

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

**1.** Gratuity scheme.

**2.** Term Plan.

**3.** Joint Life Plan.

**4.** Utmost good faith.

**5.** Surrender of insurance policy.

**6.** Death claims.

**7.** Agent service.

**8.** IRDAI.

## SECTION-B

**II. Answer any FIVE of the following Questions**                    **5X10=50M**

**9.** Explain various types of Life Insurance Plans?

**10.** Explain different types of Endowment Policies?

**11.** What are the different types of Annuity Plans?

**12.** Explain the Principles of Insurance?

**13.** Explain various types of assignment?

**14.** Describe the procedure of an Insurance Claim Settlement?

**15.** Explain the role of IRDA in regulation and development of Insurance Sector in India?

**16.** Explain the Functions of an Insurance Agent?

Room No: _____

Regd No __15__

# KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
## VI – SEMESTER END EXAMINATIONS

| | | | |
|---|---|---|---|
| Class | : III B.Com (TP) | Max Marks | : 75 |
| Subject | : Commerce | Pass Mark | : 30 |
| Title of Paper | : Corporate Tax Planning | Duration | : 3Hrs |
| Paper Code | : R20COMT603 | Time | : 2pm – 5pm |
| W.E.F | : 2022-23 | Date | : 17/05/2024. |

## SECTION-A

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

1. Widely held Company

2. Presumptive taxation scheme

3. Kinds of assessments

4. Tax rates under MAT provisions U/S 115 JB

5. Carry forward of losses provision in computation of total income of a company

6. Tax rates of domestic Companies under normal provisions

7. Set-off provisions in computation of Total Income

8. Industrial Companies

## SECTION-B

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

9. Write in detail about Domestic Company and Non-domestic Company?

10. Explain how to compute Book Profits of Company?

11. List out the expenses which are disallowed while computing business income of a company?

12. Describe the provisions of IT act in assessment of search cases?

13. Write any 10 deductions available from GTI for computing total income of a company?

14. What are the provisions laid down in IT Act for Special type of Businesses?

15. Describe various types of assessments under IT Act?

16. Prof.Vijita Aggarwal declares the following particulars of income for the A.Y.2022-23. Calculate her total Income

| | Rs |
|---|---|
| (I) Salary @ | 5,000 p.m. |
| (ii)Servant Allowance @ | 200 p.m. |
| (iii)Royalty from books | 18,000 |
| (iv)Net amount received from lottery | 28,000 |
| (v) Expenses on lottery tickets | 10,000 |
| (vi)Winning from Card games | 6,000 |

# KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
## VI – SEMESTER END EXAMINATIONS

Class : III B.Com (Gen, TP, Comp)    Max Marks : 75
Subject : Commerce    Pass Mark : 30
Title of Paper : Commercial Geography    Duration : 3 Hrs
Paper Code : CBCG603    Time : 2pm – 5pm
W.E.F : 2016-17    Date : 17/05/2024.

## SECTION-A

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

1. Longitudes and Latitudes.
2. Types of Soils.
3. Compensatory Afforestation Fund (CAF) Bill, 2015.
4. Mangampeta Barites.
5. Peninsular Rivers in India.
6. Internal structure of the earth.
7. Usage of land.
8. Forest right Act, 2006.

## SECTION-B

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

9. a) Explain about various Realms of the Earth.

(OR)

b) What is Environmental Pollution? Explain different types of pollution with causes.

10. a) Explain the problems that are faced by the formers of Indian Agriculture.

(OR)

b) Explain the major food crops and non-food crops cultivated in India.

11. a) Write about various types of forests situated in India.

(OR)

b) Explain in detail about Forest Conservation Act, 1980.

12. a) Explain about various renewable and non renewable minerals in India.

(OR)

b) Write an essay on Singareni Coal Mines.

13. a) Explain in detail about Himalayan Drainage System.

(OR)

b) Explain about Interlinking of Rivers in India and its advantages.

# KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
## VI – SEMESTER END EXAMINATIONS

Class          : III B.Com (TP & Comp)          Max Marks : 75
Subject        : Commerce                        Pass Mark : 30
Title of Paper : Cost Control Techniques         Duration  : 3 Hrs
Paper Code     : R20COMT602/R20COMC602           Time      : 2pm–5pm
W.E.F          : 2022-23                          Date      : 16.05.2024

## SECTION-A

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

1. What is Cost Control?

2. Explain types of Cost Audit.

3. Allocation of Overhead under ABC Techniques.

4. How to evaluate Make or Buy Decision.

5. Explain Marginal Costing.

6. Explain the concept of Standard Costing.

7. Explain Different types of Labour Variances.

8. Explain Learning Curve Analysis.

## SECTION-B

**II. Answer any FIVE of the following Questions**              5X10=50M

9. What is Cost Auditing ? Explain Various Cost Auditing Techniques.

10. Explain the meaning of Cost Control. Explain it's Techniques.

11. What is ABC? Explain Characteristics of ABC.

12. Describe the Categories of ABC and allocation of overheads under ABC.

13. From the following particulars Calculate

   A) Contribution     B) P/V Ratio     C) BEP

   | Particulars | Rs. |
   |---|---|
   | Fixed Cost | 1,50,000 |
   | Variable Cost(Per Unit) | 10 |
   | Selling Price (Per Unit) | 15 |

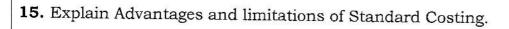14. The sales and profit during two years were as follows.

   | Year | Sales(Rs.) | Profit |
   |---|---|---|
   | 2020 | 150000 | 20000 |
   | 2021 | 170000 | 25000 |

   You are required to calculate
   (a) P/V Ratio   (b) BEP   (c) Sales Required to earn profit 40000
   (d) Calculate the Profit If sales is Rs. 250000 .

                                                              [P.T.O]

**15.** Explain Advantages and limitations of Standard Costing.

**16.** From the following particulars Calculate
   A) Material Cost Variance    B) Material Price Variance    C) Material Usage Variance

| Materials | Standard | | Actual | |
|---|---|---|---|---|
| | UNITS( Kgs.) | Price (Rs.) | UNITS( Kgs.) | Price (Rs.) |
| A | 10 | 8 | 10 | 7 |
| B | 8 | 6 | 9 | 7 |
| C | 4 | 12 | 5 | 11 |
| | 22 | | 24 | |

**17.** What is Kaizen Costing? Explain 5S Techniques in Kaizen Costing.

**18.** Explain the Advantages and Limitations of Kaizen Costing.

**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**

**VI – SEMESTER END EXAMINATIONS**

| | | | |
|---|---|---|---|
| Class | : III BBA | Max Marks | : 75 |
| Subject | : Commerce | Pass Mark | : 30 |
| Title of Paper | : **MANAGEMENT ACCOUNTING** | Duration | : 3 Hrs |
| Paper Code | : **CBMA 602A** | Time | : 2pm - 5pm |
| W.E.F | : 2020-21 | Date | : 16.05.2024 |

## SECTION-A

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

1. What is management accounting?
2. Financial accounting Vs Cost accounting.
3. What is funds flow statement?
4. What is capital budgeting?
5. What is working capital management?
6. What is marginal costing?
7. Write about B.E.P
8. What is comparative statement analysis?

## SECTION-B

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

9. What do you understand by financial statement analysis?

**(OR)**

10. Following are the balance sheet of Ram Ltd as on 31-12-2015 &2016

| Liabilities | 2015 | 2016 | Assets | 2015 | 2016 |
|---|---|---|---|---|---|
| Share capital | 5,00,000 | 7,00,000 | Buildings | 5,00,000 | 6,00,00 |
| General reserve | 50,000 | 50,000 | Machinery | 2,00,000 | 3,50,000 |
| Profit & loss A/c | 1,60,000 | 1,70,000 | Stock | 65,000 | 87,000 |
| 18% debentures | 1,00,000 | 1,00,000 | Bills receivable | 30,000 | 25,000 |
| Creditors | 1,00,000 | 1,70,000 | Debtors | 1,00,000 | 1,32,500 |
| Bills payable | 70,000 | 22,000 | Bank | 95,000 | 58,300 |
| Outstanding Expenses | 20,000 | 48,000 | Prepaid Expenses | 10,000 | 72,000 |
| | 10,00,000 | 12,60,000 | | 10,00,000 | 12,60,000 |

Prepare comparative balance sheet

11. What is net present value? How do you calculate it? Also explain its merits and demerits?

**(OR)**

12. A company is considering whether to purchase a new machine. Machines A & B are available for Rs 80,000 each. Earnings after taxations are as follows

| Year | Machine A | Machine B |
|---|---|---|
| 1 | 24,000 | 8,000 |
| 2 | 32,000 | 24,000 |
| 3 | 40,000 | 32,000 |
| 4 | 24,000 | 48,000 |
| 5 | 16,000 | 32,000 |

[P.T.O]

Compute

1. Payback method
2. Net present value

You should use a discount rate of 10%

P.V Factor

| Years | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| P.V Factor @10% | 0.909 | 0.826 | 0.751 | 0.683 | 0.621 |

**13.** Write the importance of funds flow statements

**(OR)**

**14.** From the following balance sheet of ABC &CO ltd, you are required to prepare funds flow statement

| Liabilities | 2020 | 2021 | Assets | 2020 | 2021 |
|---|---|---|---|---|---|
| Share capital | 20,000 | 25,000 | Land & Building | 20,000 | 19,000 |
| General reserve | 5,000 | 6,000 | Plant | 15,000 | 17,400 |
| Profit & loss A/C | 3,050 | 3,060 | Stock | 10,000 | 7,400 |
| Bank loan (Short term) | 7,000 | | Debtors | 8,000 | 6,420 |
| Creditors | 15,000 | 13,520 | Cash in hand | 50 | 60 |
| Provision for taxation | 3,000 | 3,500 | Cash at bank | | 800 |
| | 53,050 | 51,080 | | 53,050 | 51,080 |

**Additional Information**

**a)** Depreciation an plant in 2021 Rs 1400
**b)** Dividends paid in 2021 Rs 2000
**c)** Provision for taxation during the year Rs 2,500

**15.** Explain the factors affecting working capital management

**(OR)**

**16.** From the following information compute the working capital requirement for a company prepare an estimate of working capital requirement from the following

- A trading concern
- Projected annual sales Rs 6,50,000
- Percentage of net profit on sales 25%
- Average credit period allowed by debtors 10 weeks
- Average credit period allowed by creditors 4 weeks
- Average stock holding in terms of sales requirements 8 weeks

**17.** Explain the importance of marginal costing

**(OR)**

**18.** Rajkumar Ltd. provides you the following information:

| | Sales (Rs) | Profit (Rs) |
|---|---|---|
| Period 1 | 10,000 | 2,000 |
| Period 2 | 15,000 | 4,000 |

You are required to calculate:

- P/V ratio
- Fixed cost
- Break even sales volume
- Sales to earn a profit of Rs 3,000
- Profit when sales are Rs. 8,000

Room No: _____      Regd No: ___21___

**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**
**VI – SEMESTER END EXAMINATIONS**

Class     : III B.Com (Gen & Log)      Max Marks : 75
Subject     : Commerce      Pass Mark : 30
Title of Paper : Software Solutions to Accounting      Duration   : 3 Hrs
Paper Code   : R20COMG602/R20COML602      Time     : 2pm-5pm
W.E.F     : 2022-23      Date     : 16.05.2024

## SECTION-A

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

1. How to insert and delete rows in Excel?

2. What is Quick Books?

3. Explain Tally Screen in detail.

4. How to Alter a ledger?

5. How to delete a ledger?

6. Explain Contra voucher in Tally.

7. Explain Stock Journal in Tally.

8. Explain the tax components.

## SECTION-B

**II. Answer any FIVE of the following Questions**      **5X10=50M**

9. Explain various functions in Excel.

10. Explain Tally features & Accounting.

11. How to create a company in Tally ERP-9?

12. How to create a different ledgers in Tally ERP-9?

13. Explain how to create a stock groups & stock items.

14. Explain Multi Ledger creation in Tally.

15. How to setting a purchase voucher & sales voucher?

16. Explain how to generate reports in tally.

Room No: _____     Regd No: 22

# KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
## VI – SEMESTER END EXAMINATIONS

Class        : III B.Com (TP & Comp)          Max Marks : 75
Subject      : Commerce                        Pass Mark : 30
Title of Paper : Management Accounting And Practice    Duration : 3 Hrs
Paper Code   : R20COMT601/R20COMC601          Time  : 2pm–5pm
W.E.F        : 2022-23                         Date  : 15.05.2024

## SECTION-A

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

1. Explain the scope of Management Accounting?

2. Explain the Significance of Management Accounting?

3. What are the Objectives of Ratio Analysis?

4. What are the requisites of a good report?

5. Write about the Cash from Operations?

6. What is Funds Flow Analysis? Explain the Uses of Funds Flow Analysis?

7. Explain the Objectives of a budgetary control?

8. Explain the need for Management Reporting?

## SECTION-B

**II. Answer ~~any FIVE of~~ the following Questions**              5X10=50M

9. Distinguish between Management Accounting and Cost Accounting.

10. What are the Limitations of Management Accounting?

11. The following are the profit and loss Account and the Balance sheet of XY Ltd. Company

**Dr**                    Trading and Profit & Loss A/c                    **Cr**

| Particulars | Rs. | Particulars | Rs. |
|---|---|---|---|
| To Opening Stock | 10,000 | By Sales | 1,00,000 |
| To Purchases | 55,000 | By Closing Stock | 15,000 |
| To Gross Profit | 50,000 | | |
| | **1,15,000** | | **1,15,000** |
| To Operating expenses | 15,000 | By Gross Profit | 50,000 |
| To Interest | 3,000 | | |
| To Selling Expenses | 12,000 | | |
| To Net Profit | 20,000 | | |
| | **50,000** | | **50,000** |

**Balance Sheet**

| Liabilities | Rs. | Assets | Rs. |
|---|---|---|---|
| Capital | 1,00,000 | Land and Buildings | 50,000 |
| Profit and Loss Account | 20,000 | Plant and Machinery | 30,000 |
| Creditors | 25,000 | Stock | 15,000 |
| Bills Payable | 15,000 | Sundry Debtors | 15,000 |
| | | Bills Receivables | 12,500 |
| | | Cash at Bank | 17,500 |
| | | Furniture | 20,000 |
| | **1,60,000** | | **1,60,000** |

[P.T.O]

You are required to calculate the following Ratio's.
a. Stock Turnover Ratio
b. Current Ratio
c. Gross Profit Ratio
d. Net Profit Ratio

12. From the following balance sheet of XY Ltd as at 31-12-2016 and 31-12-2017, you are required to prepare:

(i) Schedule of Changes in Working Capital:

(ii) Funds Flow Statement

| Liabilities | 2016 | 2017 | Assets | 2016 | 2017 |
|---|---|---|---|---|---|
| Share Capital | 1,00,000 | 1,00,000 | Goodwill | 12,000 | 12,000 |
| General Reserve | 14,000 | 18,000 | Buildings | 40,000 | 36,000 |
| P & L A/c | 16,000 | 13,000 | Plant | 37,000 | 36,000 |
| Sundry Creditors | 8,000 | 5,400 | Investment | 10,000 | 11,000 |
| Bills Payable | 1,200 | 800 | Stock | 30,000 | 23,400 |
| Provision for taxation | 16,000 | 18,000 | Bills Receivables | 2,000 | 3,200 |
| | | | Sundry Debtors | 18,000 | 19,000 |
| Provision for doubtful debts | 400 | 600 | Bank | 6,600 | 15,200 |
| | **1,55,600** | **1,55,800** | | **1,55,600** | **1,55,800** |

**Additional Information:**
1. Depreciation charged on plant was Rs.4,000 and on building Rs.4,000
2. Provision for taxation of Rs.19,000 was made during the year 2017
3. Interim dividend of Rs.8,000 was paid during 2017

13. Following are the comparative Balance sheets of ABC Company:

| Liabilities | 2016 | 2017 | Assets | 2016 | 2017 |
|---|---|---|---|---|---|
| Share Capital | 70,000 | 74,000 | Cash | 9,000 | 7,800 |
| Debentures | 12,000 | 6,000 | Sundry debtors | 14,900 | 17,700 |
| Sundry Creditors | 10,360 | 11,840 | Stock | 49,200 | 42,700 |
| Provision for doubtful debts | 700 | 800 | Land | 20,000 | 30,000 |
| P & L A/c | 10,040 | 10,560 | Goodwill | 10,000 | 5,000 |
| | **1,03,100** | **1,03,200** | | **1,03,100** | **1,03,200** |

**Additional Information:**
(i) Dividend totalling Rs.3,500 was paid
(ii) Land was purchased for Rs.10,000 and amount provided for the amortisation of goodwill totalled Rs. 5,000
(iii) Debentures of Rs.6,000 were redeemed
    Prepare Cash Flow Statement.

**14.** A Department of AXY Company attains sales of Rs.6,00,000 at 80% of its normal Capacity. Its expenses are given below:

| Particulars | Rs. |
|---|---|
| Office Salaries | 90,000 |
| General expenses | 2% of sales |
| Depreciation | 7,500 |
| Rent and rates | 8,750 |
| **Selling Costs:** | |
| Salaries | 8% of sales |
| Travelling expenses | 2% of sales |
| Sales office | 1% of sales |
| General expenses | 1% of sales |
| **Distribution Costs:** | |
| Wages | 15,000 |
| Rent | 1% of sales |
| Other expenses | 4% of sales |

Prepare Flexible Budget at 90%, 100% and 110% capacities.

**15.** Distinguish between financial reporting and Management Reporting?

**16.** What is the meaning of Report? Explain the kinds of Reports?

# KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
## VI- SEMESTER END EXAMINATIONS

| | | | |
|---|---|---|---|
| Class | : III B.Com(GEN,LOG) | Max Marks | : 75 |
| Subject | : Commerce | Pass Mark | : 30 |
| Title of Paper | :Advance Corporate Accounting | Duration | : 3 Hrs |
| Paper Code | :R20COMG601/R20COML601 | Time | : 2pm - 5pm |
| W.E.F | : 2023-24 | Date | : 15.09.2024 |

## SECTION-A

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

1. Discharge of purchase consideration.

2. What do you meant by Amalgamation?

3. What is Reduction of Share Capital?

4. What is Good will? How do you calculate it?

5. What are the functions of Liquidation?

6. What is meant by minority interest?

7. What are the causes of Liquidation?

8. Explain the internal reconstruction

## SECTION-B

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

9. Following are the balance sheet of C Ltd. and D Ltd as at 31.03.2022.

| Liabilities | C Ltd Rs. | D Ltd Rs. | Assets | C Ltd Rs. | D Ltd Rs. |
|---|---|---|---|---|---|
| Equity share capital (15,000 shares) | 1,50,000 | 1,50,000 | Land and Building | 1,00,000 | 1,50,000 |
| Reserves and surplus | 50,000 | 1,00,000 | Plant and Machinery | 1,50,000 | 1,25,000 |
| 12% Debentures | 1,00,000 | 1,00,000 | Stock | 75,000 | 75,000 |
| Creditors | 60,000 | 60,000 | Debtors | 25,000 | 50,000 |
| | | | Cash | 10,000 | 10,000 |
| | 3,60,000 | 4,10,000 | | 3,60,000 | 4,10,000 |

C Ltd and D Ltd amalgamate their business and form a new company called D C Ltd. The assets of both the companies are valued as follows.

Fixed assets 25% more

Stock 15% less and Debtors 10% less.

The purchase consideration is discharged by the issue to both companies, sufficient number of equity shares of Rs.10 each in DC Ltd., at an agreed value of Rs.12.50 per share. Calculate purchase consideration and state the number of equity shares issued to each company.

                                                                                    [P.T.O]

**10.** The X Co. Ltd., and Y Co. Ltd., have agreed to amalgamate a new company called Z Co. Ltd., has been formed to take over the combined concerns as on 31<sup>st</sup> Dec 2021. After negotiations the assets and liabilities of the two companies have been agreed shown in the balance sheet.

| Liabilities | X Co. Ltd., | Y Co. Ltd., | Assets | X Co. Ltd., | Y Co. Ltd., |
|---|---|---|---|---|---|
| Share Capital | | | Land & Buildings | 50,000 | 30,000 |
| Sundry of Rs.10/- | 1,00,000 | 50,000 | Plant & Machinery | 20,000 | 25,000 |
| Sundry creditors | 8,000 | 5,000 | Patents | 11,000 | ---- |
| Reserve fund | ----- | 5,000 | Good will | -- | 5,000 |
| Profit & Loss | | | Stock | 15,000 | 2,000 |
| Account | 5,000 | 5,000 | Sundry debtors | 12,000 | 2,000 |
| | | | Cast at bank | 5,000 | 1,000 |
| | 1,13,000 | 65,000 | | 1,13,000 | 65,000 |

Show how the amount payable to each company is arrived at and prepare the amalgamated balance sheet of the Z company Ltd

**11.** The Balance sheet of Sandal Trading Co. Ltd as on 31.12.2022 was as follows.

Balance Sheet

| Liabilities | Rs. | Assets | Rs. |
|---|---|---|---|
| Authorised Capital | | | |
| 3000 preference shares of | | Good will | 25,000 |
| Rs.100 each | 3,00,000 | Free hold property | 1,75,000 |
| 5000 equity shares of | | Machinery | 3,00,000 |
| Rs.100 each | 5,00,000 | Stock | 1,05,000 |
| Issued and paid up | | Debtors | 85,000 |
| 2000 preference shares of | | P & L A/C | 1,90,000 |
| Rs.100 each | 2,00,000 | | |
| 4000 equity shares of | | | |
| Rs.100 each | 4,00,000 | | |
| 6% debentures | 1,20,000 | | |
| Bank over draft | 55,000 | | |
| Current Liabilities | 1,05,000 | | |
| | 8,80,000 | | 8,80,000 |

The following scheme of capital reduction was approved by the court.

1. The preference shares and equity shares were reduced to Rs.80 and Rs.50 per share fully paid respectively.

2. Debenture holders agreed to receive 1000 preference shares in full satisfaction of dues.

    3.  The goodwill and profit and loss account were written off.

    4.  Free hold property and machinery were depreciated by 20% and 10% respectively.

       Draft journal entries and prepare the revised balance sheet.

**12.** Explain the methods of determining purchase consideration.

**13.** Write about types of Amalgamation.

**14.** Explain the different methods of Internal Reconstruction.

**15.** What are the features of Holding Companies.

**16.** What is meant by Liquidation? Explain different types of Winding up.

**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**
**VI – SEMESTER END EXAMINATIONS**

| | | | |
|---|---|---|---|
| Class | : III B.Com (Gen, TP, Comp, Log) & BBA | Max Marks | : 50 |
| Subject | : Commerce | Pass Mark | : 20 |
| Title of Paper | : Event Management | Duration | : 2 Hrs |
| Paper Code | : CBEM607 | Time | : 2pm–4pm |
| W.E.F | : 2017-18 | Date | : 15.05.2024 |

## SECTION-A

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

1. Explain the business and Government meets.

2. Exhibitions and trade fairs.

3. Risk Management.

4. HR Management.

5. Client briefings.

6. Launches and fashion shows.

## SECTION-B

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

7. What is event concept? Explain type of events.

**(OR)**

8. Explain about corporate event packages.

9. Explain various types of out door events.

**(OR)**

10. Explain about Marketing and sponsorship.

11. Explain about liaison with agents and liaisioning with Government departments.

**(OR)**

12. Explain about National festivals and high-profile charity events.

**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**
**VI – SEMESTER END EXAMINATIONS**

| | | | |
|---|---|---|---|
| Class | : III B.Sc (MPC,MPCS,MECS,MSCS,MCCS) | Max Marks | : 75 |
| Subject | : Maths | Pass Mark | : 30 |
| Title of Paper | : **Mathematical Special Functions** | Duration | : 3Hrs |
| Paper Code | : **R20MATA602** | Time | : 2pm–5pm |
| W.E.F | : 2022-23 | Date | : 16.05.24 |

## SECTION-A

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

**1.** Compute   a) $\gamma\left(\frac{-1}{2}\right)$      b) $\gamma\left(\frac{-3}{2}\right)$

**2.** Evaluate $\int_0^2 x(8-x^3)^{\frac{1}{3}}\, dx$

**3.** Find $L_0(x), L_1(x), L_2(x)$.

**4.** Prove that $H_{2n}(0) = (-1)^n \frac{(2n)!}{n!}$.

**5.** Prove that $H_n^1(x) = 2n H_{n-1}(x)$.

**6.** Find $P_0(x), P_1(x), P_2(x)$.

**7.** Prove that $J_{-n}(x) = (-1)^n J_n(x)$.

**8.** Prove that   (i) $J_0^1(x) = -J_1(x)$   (ii) $J_2(x) = J''_0(x) \frac{1}{X} - {}^1 J'_0(x)$.

## SECTION-B

**II. Answer any FIVE of the following Questions**                     **5X10=50M**

**9.** Prove that $\gamma\left(-n+\frac{1}{2}\right) = \frac{(-1)^n 2^n \sqrt{\pi}}{1.3.5\ldots\ldots(2n-1)}$.

**(OR)**

**10.** Show that $\frac{1}{\sqrt{(1-x^2)}}\, U_n(x)$ satisfies the differential equation

$$(1-x^2)\frac{d^2y}{dx^2} - 3x\frac{dy}{dx} + (n^2-1)y = 0.$$

**11.** State and prove the generating function of $L_n(x)$.

**(OR)**

**12.** Prove that $X L_n^1(x) = n L_n(x) - n L_{n-1}(x)$.

**13.** Prove that $H_n(x) = (-1)^n\, e^{x^2}\, \frac{d^n}{dx^n}\left(e^{-x^2}\right)$.

**(OR)**

**14.** Prove that $\int_{-\infty}^{+\infty} e^{-x^2} H_n(X) H_m(x)\, dx = \begin{cases} & if\ m \neq n \\ \sqrt{\pi}\, 2^n n! & if\ m = n \end{cases}$.

**15.** Prove that $P_n(x) = \frac{1}{n! 2^n}\frac{d^n}{dx^n}(x^2-1)^n$.

**(OR)**

**(P.T.O)**

**16.** State and prove Orthogonal property of $P_n(x)$.

**17.** Prove that $xJ_n^1(x) = nJ_n(x) - xJ_{n+1}(x)$.

**(OR)**

**18.** Prove that      (i) $J_{\frac{-1}{2}}(x) = \sqrt{\dfrac{2}{\pi x}} \cos x$          ( ii) $J_{\frac{1}{2}}(x) = \sqrt{\dfrac{2}{\pi x}} \sin x$

**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**
**VI – SEMESTER END EXAMINATIONS**

| | | | |
|---|---|---|---|
| Class | : III B.Sc (MSCS, DS) | Max Marks | : 75 |
| Subject | : Statistics | Pass Mark | : 30 |
| Title of Paper | : Applied Statistics-II | Duration | : 3 Hrs |
| Paper Code | : CBSTTA601A/DSAS601 | Time | : 2pm – 5pm |
| W.E.F | : 2020-21 | Date | : 16.05.2024 |

## SECTION-A

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

1. Explain Mathematical model in a time series.

2. Explain method of semi averages.

3. Explain Fixed and chain-based index numbers.

4. Explain uses of index numbers.

5. Explain limitations of vital statistics.

6. Define specific fertility rate.

7. Define general fertility rate.

8. Explain National income.

## SECTION-B

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

9. Define Time series and explain various components of time series.

**(OR)**

10. Explain Ratio to Trend method.

11. Prove that fishers index is an ideal index.

**(OR)**

12. Define cost of living index and explain its construction.

13. Explain sources of vital statistics.

**(OR)**

14. Explain various rates of mortality.

15. Explain Fertility rates.

**(OR)**

16. Explain measures of population growth.

17. Explain functions of NSSO.

**(OR)**

18. Explain Abridged life table and its construction.

# KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
## VI – SEMESTER END EXAMINATIONS

| | | | |
|---|---|---|---|
| Class | : III B.Sc(MPC,MPCs,MECs,MCCs,MSCs) | Max Marks | : 75 |
| Subject | : MATHEMATICS | Pass Mark | : 30 |
| Title of Paper | : **NUMERICAL METHODS** | Duration | : 3Hrs |
| Paper Code | : **R20MATA601** | Time | : 2pm-5pm |
| W.E.F | : 2022-23 | Date | : 15.05.2024 |

## SECTION-A

5X5=25M

### I. Answer any **FIVE** of the following

**1.** Prove that $(1 + \Delta)(1 - \nabla) = 1$ and $E\nabla = \Delta$

**2.** If $\mu_0 = 1$, $\mu_1 = 0$, $\mu_2 = 5$, $\mu_3 = 22$, $\mu_4 = 57$. Find $\mu_{0.5}$

**3.** Using Gauss forward interpolation formula find f(25) given that f(20) = 14, f(24) =32 f(28) =35, f(32) = 40.

**4.** Find the third divided difference of the function $f(x) = x^3+x+2$ for the arguments 1,3,6,11.

**5.** Using the following table compute $\frac{dy}{dx}$ and $\frac{d^2y}{dx^2}$ at x = 1.

| X | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| Y | 1 | 8 | 27 | 64 | 125 | 216 |

**6.** Evaluate $\int_0^5 \frac{dx}{4x+5}$ by Trapezoidal rule.

**7.** Evaluate $\int_0^6 \frac{1}{1+x^2} dx$ by using Simpson's 1/3 rule with n =1.

**8.** Given $\frac{dy}{dx} = x^3 + y$, y(0) = 1. Then find y(0.02) by Euler's method taking h= 0.01

## SECTION-B

5X10=50M

### II. Answer any **five** of the following Questions

**9.** Find the missing term in the following data.

| x | 0 | 1 | 2 | 3 | 4 |
|---|---|---|---|---|---|
| f(x) | 1 | 3 | 9 | - | 81 |

**(OR)**

**10.** State and prove Newton – Gregory forward interpolation formula with equal intervals.

**11.** State and prove Gauss's backward interpolation formula.

**(OR)**

**12.** Using Lagrange's interpolation formula find y at x = 301.

| X | 300 | 304 | 305 | 307 |
|---|---|---|---|---|
| Y | 2.4771 | 2.4829 | 2.4843 | 2.4871 |

**(P.T.O)**

**13.** Using the following table, find $\frac{dy}{dx}$ and $\frac{d^2y}{dx^2}$ at x=1.2

| X | 1.0 | 1.2 | 1.4 | 1.6 | 1.8 | 2.0 | 2.2 |
|---|-----|-----|-----|-----|-----|-----|-----|
| Y | 2.7183 | 3.3201 | 4.0552 | 4.9530 | 6.0496 | 7.3891 | 9.0250 |

**(OR)**

**14.** Find the maximum value of y from the data.

| X | 0 | 1 | 2 | 3 | 4 |
|---|---|---|---|---|---|
| Y | 0 | 0.25 | 0 | 2.25 | 16 |

**15.** Evaluate $\int_1^7 \frac{1}{x} dx$ by using Simpson's $^1/_3$ rule and Simpson's $^3/_8$ rule.

**(OR)**

**16.** Evaluate $\int_4^{5.2} \log x \, dx$ by using Weddle's rule.

**17.** Determine the value of y when x = 0.1 given that y(0) = 1 and $y^1 = x^2 + y$ by using Modified Euler's method.

**OR)**

**18.** Given $\frac{dy}{dx} = y - x$ with y(0)=2, find y(0.1) and y(0.2) correct to 4 decimal places by using Runge-Kutta method.

Room No: _____                                          Regd No: 34 _____

## KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
## VI – SEMESTER END EXAMINATIONS

Class          : III B.Sc (MPC, MPCS , MSCS, MECS, MCCS) Max Marks : 75
Subject        : Mathematics                              Pass Mark  : 30
Title of Paper : Numerical Analysis                       Duration   : 3 Hrs
Paper Code     : CBMATA601A                               Time       : 2pm – 5pm
W.E.F          : 2017-18                                  Date       : 15·05·2024

## SECTION-A

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

1. Evaluate the sum $S = \sqrt{3} + \sqrt{5} + \sqrt{7}$ to 4 significant digits and find its absolute and relative errors.

2. Find a real root of the equation $x^3 + x - 1 = 0$ by iteration method.

3. Find a real root of the equation $x^3 - 2x - 5 = 0$ by Newton-Raphson method.

4. Show that (i) $(1 + \Delta)(1 - \nabla) = 1$   (ii) $\Delta - \nabla = \Delta\nabla$.

5. Find the missing term in the following data.

| X    | 0 | 1 | 2 | 3 | 4  |
|------|---|---|---|---|----|
| F(x) | 1 | 3 | 9 | - | 81 |

6. Given $y_{20} = 2854$, $y_{24} = 3162$, $y_{28} = 3544$, $y_{32} = 3992$ find $y_{25}$ by Bessel's formula.

7. Obtain $y_{25}$ by using Everett's formula for the following data

   $y_{20} = 2854$, $y_{24} = 3162$, $y_{28} = 3544$, $y_{32} = 3992$

8. Find the third divided difference of the function f(x) = x³+x+2 for the arguments 1,3,6,11.

## SECTION-B

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

9. If $u = 3x^7 - 6x$, find the percentage error in u at x = 1, if the error in x is 0.05.

**(OR)**

10. If $U = \frac{5xy^2}{z^3}$ then find the relative maximum error in u, given that $\Delta x = \Delta y = \Delta z = 0.001$ and x = y = z = 1.

11. Find a real root of the equation $f(x) = x^3 - 4x - 9 = 0$ by bisection method.

**(OR)**

12. Find a real root of the equation $f(x) = x^3 - 2x - 5 = 0$ by Regula falsi method.

13. Show that (i) $\delta = E^{1/2} - E^{-1/2}$   (ii) $\mu = \frac{1}{2}\left(E^{1/2} + E^{-1/2}\right)$   (iii) $\delta = E^{1/2}\nabla$.

**(OR)**

14. Show that (i) $\sqrt{1 + \delta^2\mu^2} = 1 + \frac{1}{2}\delta^2$   (ii) $\mu\delta = \frac{1}{2}(\nabla + \Delta)$.

[P.T.O]

**15.** The population of a country in the decimal census were as under. Estimate the population for the year 1895.

| Year (x): | 1891 | 1901 | 1911 | 1921 | 1931 |
|---|---|---|---|---|---|
| Population(Y) in thousands | 46 | 66 | 81 | 93 | 101 |

**(OR)**

**16.** State and prove Gauss backward interpolation formula.

**17.** State and prove Newton's Divided interpolation formula.

**(OR)**

**18.** By Lagrange's interpolation formula find the value of y at x = 301, given that

| X | 300 | 304 | 305 | 307 |
|---|---|---|---|---|
| Y | 2.4771 | 2.4829 | 2.4843 | 2.4871 |

# KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
## VI SEMESTER END EXAMINATIONS

| | | | |
|---|---|---|---|
| Class | : III B.Sc (MPC) | Max Marks | : 75 |
| Subject | : Physics | Pass Mark | : 30 |
| Title of Paper | : Digital Electronics | Duration | : 3 Hrs |
| Paper Code | : CBPHYA603A | Paper Time | : 2pm - 5pm |
| W.E.F | : 2020-21 | Date | : 21.05.24 |

## SECTION –A

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

1.  Explain about Excess-3 Code and BCD to Excess-3 Code & Excess-3 Code to BCD Conversions.

**(OR)**

2.  Explain about Decimal, Binary, Hexa-Decimal, Octal & BCD number systems with examples.

3.  Explain about NAND as Universal gate (AND, OR, NOT, NOR, EX-OR by using NAND).

**(OR)**

4.  Explain about NOR as Universal gate (AND, OR, NOT, NOR, EX-OR by using NOR).

5.  Explain the working of Half – Subtractor & Full – Subtractor with their diagrams and Truth-tables.

**(OR)**

6.  Define Multiplexer? Explain the working of 2×1 & 4×1 Multiplexers with diagrams.

7.  Explain the operation of Master – Slave Flip-flop with neat circuit & timing diagrams.

**(OR)**

8.  Explain the operation of J-K Flip-flop with neat circuit & timing diagrams.

9.  Define Registers. Explain the operation of Shift Right Registers with Diagrams.

**(OR)**

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

## SECTION – B

**II. Answer any THREE Of the following questions.**                          **3X5=15M**

11. Explain about Binary Addition and Binary Subtraction with examples.

12. State and Prove De-Morgan's Theorem.

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

14. Explain the Operation of R-S Flip-flop with neat circuit & timing diagrams.

15. Write a short note on Registers.

**(P.T.O)**

## SECTION – C

**III. Answer any <u>TWO</u> Of the following questions.**　　　　　　**2X5=10M**

16. Convert $(12.4375)_{10}$ into its binary equivalent.

17. Using 2's complement , subtract $1100_2$ from $0101_2$ .

18. Convert $(100101110 . 11011)_2$ to Hexadecimal.

19. Prove that $(A+B)\,(A+\bar{B})\,(\bar{A} + C) = AC$.

20. Demorganize the expression $\overline{(A + B)\,(C + D)}$.

*****

## KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
## VI SEMESTER END EXAMINATIONS

| | | | |
|---|---|---|---|
| Class | : III B.Sc (MPC) | Max Marks | : 75 |
| Subject | : Physics | Pass Mark | : 30 |
| Title of Paper | : Basics of Microprocessors and Micro Controllers | Duration | : 3 Hrs |
| Paper Code | : CBPHYA602A | Paper Time | : 2pm – 5pm |
| W.E.F | : 2020-21 | Date | : 20.05.24 |

### SECTION –A

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

1.   Draw the architecture of 8085 microprocessor? Explain the function of each block.

**(OR)**

2.   Draw and explain the pin configuration of 8085 microprocessor.

3.   Discuss the instruction set of 8085 microprocessor.

**(OR)**

4.   What is addressing mode? Explain different types of addressing modes in 8085 microprocessor with one example.

5.   Explain the operation of stack and subroutines concept.

**(OR)**

6.   Write an assembly language program for 16-bit addition.

7.   Draw and explain the pin configuration of 8086 microprocessor.

**(OR)**

8.   Explain the interrupts of 8086 microprocessor system?

9.   Draw the architecture of 8051 microcontroller. Explain the function of each block.

**(OR)**

10.   Draw and explain the pin configuration of 8085 microcontroller.

### SECTION – B

**II. Answer any THREE Of the following questions.**                    3X5=15M

11.   Write a short note on program counter.

12.   Explain about arithmetic instructions with an example.

13.   Write a short note on stack.

14.   Write the features of 8086 microprocessor.

15.   Write any five applications of microcontroller.

**(P.T.O)**

## SECTION – C

**III. Answer any <u>TWO</u> Of the following questions.**                    **2X5=10M**

16. Write as assembly language program for two 8-bit multiplication.

17. Write as assembly language program for two 8-bit addition.

18. Write as assembly language program for two 8-bit subtraction.

19. Write as assembly language program for two 8-bit division.

20. Determine the frequency of 8085 microprocessor whose crystal frequency is 3MHZ.

*****

# KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
## VI – SEMESTER END EXAMINATIONS

| | | | |
|---|---|---|---|
| Class | : III B.Sc(MPC, MPCS) | Max Marks | : 75 |
| Subject | : Physics | Pass Mark | : 30 |
| Title of Paper | : Electronics Instrumentation | Duration | : 3 Hrs |
| Paper Code | : R20PHYC602 | Time | : 2pm-5pm |
| W.E.F | : 2023-24 | Date | : 18.05.2024 |

## SECTION-A

**I. Answer the following Questions:**      5x10=50M

1. What is DC voltmeter and explain the working principle with neat diagram

**(OR)**

2. What is multi meter and explain digital multi meter with neat diagram

3. What is Cathode ray oscilloscope? And explain types of CRO.

**(OR)**

4. Explain the measurement of AC,DC voltages and frequency by using CRO

5. Explain Resistive and Capacitive type touch screen transducers used in mobiles

**(OR)**

6. What is the LVDT and explain with diagram

7. What is SSD and explain types of SSD's

**(OR)**

8. What is Liquid Crystal Display? Explain principle and working of 4x16 Display.

9. What is Ultrasound scanning? Explain operating principle and use of ultrasound scanning

**(OR)**

10. What is ECG machine? Explain operating principle and use of ECG machine

## SECTION-B

**II. Answer any five of the following**      5x5=25M

14. What is $4\frac{1}{2}$ display and explain

15. Write a brief note on Analog multi meter

16. Explain about vertical deflection system

17. Explain about Digital storage oscilloscope

18. Explain about fibre optic sensors

19. What is photo transducers explain'

20. What are the limitations of SSD

21. Explain in detail about sthethoscope

# KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
## VI – SEMESTER END EXAMINATIONS

Class        : III B.Sc(MECs)                  Max Marks : 75
Subject      : Electronics                     Pass Mark : 30
Title of Paper : **Electronic Instrumentation**   Duration  : 3 Hr
Paper Code   : **R20ELEA602**                  Time      : 2pm–5pm
W.E.F        : 2022-23                         Date      : 18.05.2024

## SECTION-A

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

1. Explain about types of electronic instruments.

2. Difference between AC and DC voltmeter

3. Write short note on Electron Gun.

4. Explain about Horizontal deflection system.

5. Explain briefly about piezoelectric transducer.

6. Explain briefly about Fibre optic sensors.

7. Explain the applications of LCD Modules.

8. Explain briefly about Clinical thermometer.

## SECTION-B

### II. Answer any **FIVE** of the following Questions          5X10 = 50M

9. Draw and Explain about the block diagram of function generator.

**(OR)**

10. Explain briefly about Sensitivity, 3½ display and 4 ½ display Digital Multi-meters.

11. Draw and explain the block diagram of Cathode ray tube (CRT).

**(OR)**

12. Explain the different of Digital oscilloscopes.

13. Explain briefly about the Classification of transducers .

**(OR)**

14. Explain briefly about Digital transducer, Fiber optic sensors.

15. Explain about Construction and Operation of LCD Display.

**(OR)**

16. Explain about different types of SSD for Common Anode type.

17. Explain briefly about Basic ideas of CT scan and MRI scan.

**(OR)**

18. Explain briefly about Sphygmomanometer.

## KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
## VI – SEMESTER END EXAMINATIONS

Class          : III B.Sc (MPC & MPCS)          Max Marks : 75
Subject        : Physics                         Pass Mark : 30
Title of Paper : Applications of Electricity & Electronics    Duration : 3 Hrs
Paper Code     : R20PHYC601                      Time : 2pm – 5pm
W.E.F          : 2022-23                         Date : 17/05/2024

### SECTION-A

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

1. Explain the colour coding of resistors?

2. Derive the expression for energy stored in a capacitor?

3. Explain the working of lead acid battery?

4. Explain constant voltage source?

5. Write a short note on transformer?

6. Write any five applications of resistors?

7. Design a simple 5 V charger?

8. Describe the step down transformer?

9. Explain the emf equation of D.C generators?

### SECTION-B

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

9. Explain about resistor as a heating element in heater and a fuse element?

**(OR)**

10. Derive an expression for EMF induced in a inductor?

11. What is the SMPS Explain the SMPS used in computers?

**(OR)**

12. Explain series combination of batteries?

13. Explain the principle and working of AC Generator?

**(OR)**

14. Explain the construction and working principle of transformer?

15. Derive an expression for resonating frequency of LCR series circuit?

**(OR)**

16. Explain the construction and working of regulated power supply?

17. Explain the principle and working of DC motor?

**(OR)**

18. Explain the principle and working of DC generator?

Room No: _____

Regd No: 43

**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**
**VI – SEMESTER END EXAMINATIONS**

| | | | |
|---|---|---|---|
| Class | : III B.Sc (MECS) | Max Marks | : 75 |
| Subject | : Electronics | Pass Mark | : 30 |
| Title of Paper | : Industrial Electronics | Duration | : 3 Hrs |
| Paper Code | : R20ELEA601 | Time | : 2pm – 5pm |
| W.E.F | : 2022-23 | Date | : 17/05/2024 |

## SECTION-A

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

**1.** Explain the operation and working of full-wave rectifier and derive its $I_{dc}$, $I_{rms}$

**(OR)**

**2.** Explain briefly about L-section and $\pi$-section filters.

**3.** Explain the operation of Switch Mode power supply with neat circuit diagram.

**(OR)**

**4.** Draw the neat circuit diagram of regulated power supply explains its working.

**5.** Explain the working of full wave voltage doubler with neat circuit diagram.

**(OR)**

**6.** Explain the voltage tripler circuit and mention its application.

**7.** Explain briefly about circuit diagram of SCR as inverter parallel and series circuit.

**(OR)**

**8.** Draw and explain about circuit diagram and working of SCR Half wave rectifier circuit mathematical anlaysis for resistive load.

**9.** Explain the Principle and operation of Induction heating.

**(OR)**

**10.** Mention the applications of dielectric heating and explain its operation.

## SECTION-B

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

**11.** What are the difference between HWR and FWR?

**12.** Explain about the three terminal regulators.

**13.** Explain the simple regulator transistorized regulated power supply.

**14.** Briefly explain the half wave voltage doubler circuit.

**15.** Draw the neat circuit diagram of SCR full wave rectifier with mathematical analysis

**16.** Write a short note on application Heat effects.

**17.** Difference between series and parallel Inverter.

**18.** Differences between RPS and SMPS.

# KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
## VI – SEMESTER END EXAMINATIONS

Class : III B.Sc (MPC, MPCS)          Max Marks : 75
Subject : Physics                      Pass Mark : 30
Title of Paper : Analog and Digital Electronics     Duration : 3 Hrs
Paper Code : CBPHYA601A                Time : 2pm – 5pm
W.E.F : 2020-21                        Date : 16.05.2024

### SECTION-A

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

1. What n is a rectifier? Describe the working of a full wave rectifier using P-N junction diodes with the help of diagram.

**(OR)**

2. Describe the construction, working and V-I characteristics of Zener diode. Explain the use of Zener diode as voltage regulator.

3. Explain the construction, working and characteristics of JEET.

**(OR)**

4. Explain the construction, working and characteristics of MOSFET in depletion mode.

5. Draw the block diagram of an OP-Amplifier and explain each part.

**(OR)**

6. What is Differential amplifier? Explain the working of differential amplifier.

7. Explain the working of OP-Amp as  i) Comparator and  ii) Integrator

**(OR)**

8. Draw the circuit diagram of OP-Amp in non-inverting mode and derive equation for its voltage gain

9. Describe the operation of IC-555 timer as monostable multivibrator.

**(OR)**

10. Draw a pin diagram of IC- 555 timer and state the function of each pin

### SECTION-B

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

11. Explain the working of transistor as an amplifier.

12. What are the differences between JFET and BJT.

13. Give the characteristics of an ideal OP- Amp.

14. Explain the working of OP-Amp as summing amplifier

15. Explain the use of IC-555 timer as astable vibrator.

### SECTION-C

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

16. An OP Amp has a CMRR 60dB. Find the differential mode gain, if the common mode gain is 3.

17. For a monostable multivibrator, the external components are $R_1=15K\Omega$ and $C_1 = 0.1pF$. Calculate the ON time of the load voltage waveform.

18. Determine the drain current $I_d$ in the pinch off region for gate voltage of 0.8V. the characteristics of JFET show $I_{dss} = 10mA$ and $V_{gs}$ (off) = 1.6V

19. A transistor has an Ic of 100 mA and $I_b$ of 0.5mA. what is the value of amplification factor $\alpha$?

20. The summing amplifier has $R_f= 10K\Omega$, $R_1= 10K\Omega$, $R_2=5K\Omega$, $R_3= 6K\Omega$. if $C_1=6V$, $V_2=-3V$, and $V_3=-0.8V$. Calculate the output voltage $V_0$.

# KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
## VI – SEMESTER END EXAMINATIONS

Class         : III B.Sc(MPC,MCCS)          Max Marks   : 75
Subject       : Chemistry                   Pass Mark   : 30
Title of Paper : Synthetic Organic Chemistry  Duration    : 3Hrs
Paper Code    : R20CHEA601                   Time        : 2 pm - 5 pm
W.E.F         : 2020-21                      Date        : 22·05·2024

## SECTION-A

**I. Answer any FIVE of the following Questions**          5X2=10M

1. Define Con rotatory motion.

2. Write the molecular orbitals Ethylene.

3. Define singlet and triplet states.

4. What is Functional group Inversion (FGI)?

5. Write the structures of Paracetamol and Asprin.

6. Define Stille coupling.

7. Give the structures of PCC & PDC.

8. Write any two reduction agents for the reduction of Carbonyl group.

## SECTION-B

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

9. Write the classification of Pericyclic reactions.

10. Write the symmetry properties of molecular orbitals of 1,3-Butadiene.

11. Write a note on Paterno-Buchi rection.

12. Define Retero synthesis & write the guidelines for disconnection.

13. What are Synthons & Synthetic equivalents give examples for each.

14. Explain the Stark Enamine Reaction.

15. Write a note on Birch Reduction.

16. Discuss the reduction reactions with $LiAlH_4$.

## SECTION-C

**II. Answer any FOUR of the following Questions**          4X10=40M

17. What are Cycloaddition reactions? Give examples and write the Woodward Hoffmann-selection rules for Cycloaddition reactions.

18. What are Electrocyclic reactions? Give examples and write the Woodward Hoffmann-selection rules for Electrocyclic reactions.

19. Explain Norrish type-I reactions in detail.

20. Write the retero synthetic analysis of following compounds.

   a) Paracetamol b) Metyl Benzoate

[P.T.O]

**21.** Write the retero synthetic analysis of following compounds.

a) Asprin b) Ethyl Acetoacetate

**22.** Write a note on the following

a) Shapiro reaction   b) Wittig reaction.

**23.** Discuss the oxidation with PCC & PDC.

**24.** Write a note on Clemenson's reduction and $NaBH_4$.

# KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
## VI – SEMESTER END EXAMINATIONS

Class         : III B.Sc(MPC,MCCS)            Max Marks   : 75
Subject       : Chemistry                     Pass Mark   : 30
Title of Paper : Analysis of Organic Compounds  Duration    : 3Hrs
Paper Code    : R20CHEA602                     Time        : 2pm – 5pm
W.E.F         : 2020-21                        Date        : 23|05|2024

## SECTION-A

**I. Answer any FIVE of the following Questions**                    5X2=10M

1. Define molecular ion and Base peak in a mass spectrum.

2. What are metastable peaks.

3. Write the structure and mass value of Propionic acid.

4. Give the structure of Acetophenone.

5. What is adsorption chromatography?

6. Define Rf factor.

7. Explain the terms Eluate and eluent.

8. What is Radial paper chromatography.

## SECTION-B

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

9. Write a note on Isotopic abundance.

10. Explain the fragmentation patterns in 2-Butanol.

11. Explain the NMR splitting patterns in 2,3 dione.

12. Explain the mass fragmentation in Benzamide.

13. Explain the basic principle involved in chromatography.

14. Explain the types of adsorbents.

15. Write a note on column chromatography.

16. Discuss types of paper chromatography and principle of it.

## SECTION-C

**II. Answer any FOUR of the following Questions**                   4X10=40M

17. Discuss the Instrumentation technique of Mass spectromery.

18. Write a note on electron ionisation in mass spectroscopy.

19. Elucidate the structure of methyl propionate by using IR, NMR & Mass data.

20. Elucidate the structure of p-Nitro aniline by using IR, NMR & Mass data.

21. Write a note on the factors effecting Rf values.

22. Discuss the applications of Thin layer chromatography.

23. Write the experimental procedure for Column chromatography.

24. Explain HPLC instrumentation and its applications.

# KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
## VI – SEMESTER END EXAMINATIONS

Class : III B.Com (Comp)

Subject : Computer Science

Title of Paper : Advanced Tally (Accounts with Inventory)

Paper Code : CBBCOMP602

W.E.F : 2017-18

Max Marks : 75

Pass Mark : 30

Duration : 3 Hrs

Time : 2pm – 5pm

Date : 23/05/2024

## SECTION-A

**I. Answer any <u>FIVE</u> of the following Questions**          **5X15=75M**

1. Write the Procedure to create a Company, Alter a Company, Shut a Company and Delete a Company in Tally.

2. Explain Stock item Creation in Tally.

3. Explain Inventory Features in Tally.

4. How to create a VAT Ledgers in Tally.

5. Explain TDS features in Tally and Implementation of TDS in Tally.

6. Explain all Inventory Vouchers in Tally with one Example Each..

7. Write the Procedure to Create and implement manufacturing journal Transactions in Tally.

8. Explain with a neat Diagram, the process of POS Invoice in Tally.

9. Explain Job Costing features in Tally.

10. Write the procedure to create Stock Groups an Stock Categories in Tally.

**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**
**VI – SEMESTER END EXAMINATIONS**

| | | | |
|---|---|---|---|
| Class | : III B.Sc (MPCS) /B.Com (Comp) | Max Marks | : 75 |
| Subject | : Computer Science | Pass Mark | : 30 |
| Title of Paper | : E-Commerce | Duration | : 3 Hrs |
| Paper Code | : CBCSCA604/CBBCOMP601 | Time | : 2pm–5pm |
| W.E.F | : 2016-17 | Date | : 22.05.2024 |

## SECTION-A

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

1. Explain about E-commerce & media convergence.
2. Explain about Security and Legal issues of e-commerce.
3. Explain about financial EDI.
4. Write about work –Flow Automation and Co-ordination.
5. Explain about the internal information system.
6. What is Data ware house? Explain different types of data ware house.
7. Explain about the properties of electronic cash.
8. Explain different online advertising paradigms.

## SECTION-B

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

9. Explain about E-commerce with its Framework and advantages and disadvantages.

**(OR)**

10. Explain about e-commerce consumer applications.

11. Explain about EDI with its architecture.

**(OR)**

12. Explain about EDI standards.

13. Explain about supply chain management with its models.

**(OR)**

14. Explain about integrated Logistics, Integrated Marketing and Agile manufacturing.

15. Explain in detail about various types of digital documents.

**(OR)**

16. Explain about various methods of marketing research.

17. Explain about Electronic fund transfer (EET).

**(OR)**

18. Explain the procedure of handling risks arising out of e-commerce.

# KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
## VI – SEMESTER END EXAMINATIONS

| | | | |
|---|---|---|---|
| Class | : III B.Sc (DS) | Max Marks : 75 | |
| Subject | : Computer Science | Pass Mark : 30 | |
| Title of Paper | : Spark Programming | Duration : 3 Hrs | |
| Paper Code | : DSDSA603 | Time : 2pm-5pm | |
| W.E.F | : 2020-21 | Date : 22-05-2024 | |

## SECTION-A

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

1. Explain different types of Big data.

2. Explain about variables in Scala.

3. Explain about data types in Scala.

4. Explain the features of spark

5. What are the data sets in spark?

6. Explain about data types in MLlib.

7. Explain about PySpark MLlib.

8. Explain about fault tolerance in spark programming.

## SECTION-B

**II. Answer any FIVE of the following Questions**                   5X10=50M

9. Explain about different Big data processing frame works.

**(OR)**

10. What is Spark? Explain the features of Spark.

11. Explain about Looping statements in Scala.

**(OR)**

12. Explain about scope of variables in Scala.

13. Explain the architecture of Spark.

**(OR)**

14. Explain the components of Spark Eco System.

15. Explain about algorithms in MLlib.

**(OR)**

16. Explain about MLlib basic statistics.

17. Explain about spark GraphX.

**(OR)**

18. Explain about architecture of spark streaming.

# KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
## VI – SEMESTER END EXAMINATIONS

Class : III B.Sc (MPCS,MECS,MSCS,MCCS)        Max Marks : 75
Subject : Computer Science                                        Pass Mark : 30
Title of Paper : Web Applications Development Using PHP & MySQL    Duration : 3 Hrs
Paper Code : R20CSCA602                                            Time : 2pm - 5pm
W.E.F : 2022-23                                                    Date : 21.05.2024

## SECTION-A

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

1. What is Constant? Explain how to create and used Constants in PHP with example

2. Explain how to create User defined functions in PHP

3. Discuss about Date and Time functions in PHP

4. Discuss about GET and POST method

5. Explain procedure to send an E-mail from PHP with example

6. Write about cookies in PHP

7. Write the syntax and usage of Popen() function

8. Write the difference between MYSQL and MYSQLi functions

## SECTION-B

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

9. Explain various built-in operators in PHP

### (OR)

10. Explain various flow control functions in PHP

11. Explain different types of Arrays in PHP

### (OR)

12. Discuss about String manipulation functions in PHP

13. Create a registration form will all input types and display user inputted values in a Separate page using PHP

### (OR)

14. Briefly discuss about Sessions in PHP

15. Explain how to add captions and creating Thumbnails for images in PHP

### (OR)

16. Explain various file handling operations and also discuss functions used in file handling with example

17. Explain about creating database tables and record addition mechanism in MYSQL

### (OR)

18. Explain how to connect PHP with MYSQL with an example PHP script

## KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
## VI SEMESTER END EXAMINATIONS

| | | | |
|---|---|---|---|
| Class | : III B.Com (Computers) | Max Marks | : 75 |
| Subject | : Computer Sceince | Pass Mark | : 30 |
| Title of Paper | : Oops with JAVA | Duration | : 3 Hrs |
| Paper Code | : CBBCOMP603 | Paper Time | : 2pm–5pm |
| W.E.F | : 2017-18 | Date | : 21.05.24 |

### SECTION – A

**I. Answer any <u>FIVE</u> Of the following questions.**                    **5X5=25M**

1. Discuss the concept of Type casting.

2. Explain command line arguments with example.

3. Explain about bit-wise operators with example.

4. Write a java program to find the given number is Armstrong or not.

5. What is object? Write syntax to declare an object?

6. Explain visibility control.

7. Write a java program to for read and print array.

8. Explain single inheritance with example.

### SECTION –B

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

9.  (a) Explain the features of Java.

**(OR)**

(b) Explain the basic concepts of OOP.

10. (a) Explain the arithmetic and assignment operators with example.

**(OR)**

(b) Write a java program to perform all arithmetic and logical operators.

11. (a) Explain about entry controlled loop with example.

**(OR)**

(b) Explain about switch statement with example.

12. (a) Define array and explain about different types of arrays.

**(OR)**

(b) Explain about method overloading.

13. (a) What is Inheritance? Explain different types of Inheritance with example.

**(OR)**

(b) Explain Interfaces in Java.

*****

**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**
**VI – SEMESTER END EXAMINATIONS**

| | | | |
|---|---|---|---|
| Class | : III B.Sc (MPCS & DS) / BCA | Max Marks | : 75 |
| Subject | : Computer Science | Pass Mark | : 30 |
| Title of Paper | : PHP | Duration | : 3 Hrs |
| Paper Code | : CBCSCA603/CBBCA602/DSCSCA601 | Time | : 2pm - 5pm |
| W.E.F | : 2020-21 | Date | : 21.05.2024 |

## SECTION-A

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

1. Explain about different types of variables.

2. Explain about Constants in PHP.

3. Explain User defined functions in PHP.

4. Explain Sorting functions on Arrays.

5. Explain MYSQL Query Browser.

6. Explain about Tables in HTML.

7. Explain Different Input elements in HTML.

8. Explain Procedure for adding Water Marks in HTML.

## SECTION-B

**II. Answer any FIVE of the following Questions**                    5X10=50M

9. Explain Passing Variables using URL and Forms in PHP.

(OR)

10. Explain about passing variables using SESSION and COOKIES in PHP.

11. Explain different types of operators in PHP.

(OR)

12. Explain Control Structures in PHP.

13. Explain about Arrays in PHP.

(OR)

14. Explain the procedure to create MYSQL Database Connection.

15. Explain about how can we link Forms together in PHP?

(OR)

16. Explain about Querying the Database using Select Query.

17. Explain the features of PHP.

(OR)

18. Explain about Validation Controls in PHP.

**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**

**VI – SEMESTER END EXAMINATIONS**

| | | | |
|---|---|---|---|
| Class | : III B.Sc(DS) | Max Marks | : 75 |
| Subject | :Computer Science | Pass Mark | : 30 |
| Title of Paper | : **Social Network Analytics** | Duration | : 3Hrs |
| Paper Code | : **DS DSA602** | Time | : 2pm–5pm |
| W.E.F | : 2020-21 | Date | : 20.05.2024 |

## SECTION-A

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

1. Explain about Social Capital?

2. Explain about Social Influence?

3. Explain about Structural Balance?

4. Explain about World Wide Web?

5. Explain about Web Search?

6. What are Graph partitioning methods?

7. Explain about Social Network Mining?

8. Explain about Analysis of Decentralized Search?

## SECTION-B

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

9. Explain about Network Datasets strong and Weak Ties?

**(OR)**

10. Explain about Working with network data?

11. Explain Tracking Link Formation in Online Data?

**(OR)**

12. Explain about Mechanisms Underlying Homophile?

13. Explain about Ranking Link Analysis using Hubs and Authorities?

**(OR)**

14. Explain about Special Analysis Random Walks?

15. Explain about clustering of Social Network graph?

**(OR)**

16. Explain about Simrank?

17. Explain about Structure and Randomness?

**(OR)**

18. Explain about Extensions of the Basic Cascade Model?

# KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
## VI– SEMESTER END EXAMINATIONS

| | | | |
|---|---|---|---|
| Class | : III B.Sc (MECS,MSCS,MCCS,MPCS) | Max Marks | : 75 |
| Subject | : Computer Science | Pass Mark | : 30 |
| Title of Paper | : Web Interface Designing Technology | Duration | : 3 Hrs |
| Paper Code | : R20CSCA601 | Time | : 2pm – 5pm |
| W.E.F | : 2023-24 | Date | : 20.05.24 |

## SECTION-A

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

1. Explain about structure of HTML with example

2. Explain pseudo class in CSS.

3. Explain about text formatting using CSS.

4. Explain Data object in Java script.

5. What are functions? Explain how to create call function.

6. Differences between posts and pages.

7. Explain about admin panel in word press.

8. Explain about parent and child theams.

## SECTION-B

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

9. Explain about table related tags and attributes with an example programs.

### (OR)

10. Explain about frames in detail with example program.

11. Explain briefly about forms with example program.

### (OR)

12. Explain about HTML API's.

13. Explain different operators in Java script.

### (OR)

14. Explain about data validation in DHTML.

15. Explain the features of word press.

### (OR)

16. Explain about working with widgets and menus.

17. Explain in detail about extending word press with plug-ins.

### (OR)

18. Explain in detail about protecting word press web site from Hackers.

**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**
**VI – SEMESTER END EXAMINATIONS**

| | | | |
|---|---|---|---|
| Class | : III B.Sc (MPCS/MECS/MSCS/MCCS) | Max Marks | : 75 |
| Subject | : Computer Science | Pass Mark | : 30 |
| Title of Paper | : Web Technologies | Duration | : 3 Hrs |
| Paper Code | : CBCSCA601 | Time | : 2pm – 5pm |
| W.E.F | : 2017-18 | Date | : 18.05.2024 |

## SECTION-A

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

1. Write features of HTML.

2. Explain Frame Set.

3. Explain the parts of Web Page.

4. Write the features of CSS.

5. Write the features of Java Script.

6. Explain the Data Validation.

7. Explain Moving Images.

8. Write EL Syntax.

## SECTION-B

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

9. Explain the Structure of HTML trace with example.

**(OR)**

10. Explain about Table related Tags trace with examples.

11. Write a procedure to create Web Page.

**(OR)**

12. Write the Advantages and Properties of CSS.

13. Explain the tokens of Java Script.

**(OR)**

14. Explain the various Control Flow Statements in JS.

15. Explain Opening a new window and Rollover Buttons.

**(OR)**

16. Explain the different Frames and give examples.

17. Explain about JSP Life Cycle.

**(OR)**

18. Explain about Expression Language and trace with example.

## SECTION-A

**I. Answer any <u>FIVE</u> of the following Questions**                     **5X5=25M**

1. What is Android? Explain its features.

2. Explain about ADT.

3. Explain about linear layout.

4. What is Exception handling and how to handle it.

5. Explain Application of MAP.

6. Explain differences between Toast class and Notification Manager class.

7. Explain about SDK features.

8. How to save simple data using the shared preferences object.

## SECTION-B

**II. Answer <u>ALL</u> the following Questions**                     **5X10=50M**

**9.** Explain Android Architecture with neat diagram.

**(OR)**

**10.** Explain about android application life cycle.

**11.** Explain different layouts in Android.

**(OR)**

**12.** Explain briefly about user interface components.

**13.** What is intent and intent filter? Explain its components.

**(OR)**

**14.** Explain briefly how to create and display notifications.

**15.** Explain about Data persistence in Android.

**(OR)**

**16.** What is SQ Lite database? Explain about creating and opening data base.

**17.** Explain briefly about using of internet Resources in Android.

**(OR)**

**18.** Explain creating and using alarms in Android.

## KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
## VI – SEMESTER END EXAMINATIONS

| | | | |
|---|---|---|---|
| Class | : III B.Voc (WT) | Max Marks | : 75 |
| Subject | : Computer Science | Pass Mark | : 30 |
| Title of Paper | : Django | Duration | : 3 Hrs |
| Paper Code | : R20WSD603/WSD603 | Time | : 2pm – 5pm |
| W.E.F | : 2021-22 | Date | : 17/05/2024 |

### SECTION-A

**I. Answer any <u>FIVE</u> of the following Questions**      **5X5=25M**

**1.** Explain about URL Patterns Django.

**2.** Explain image manipulation.

**3.** Explain about static files in templates.

**4.** Explain about Injecting the data from the view to the template.

**5.** Explain about databases

**6.** Explain about admin module

**7.** Explain about Spring end points

**8.** Explain HTML Real time API

### SECTION-B

**II. Answer <u>ALL</u> the following Questions**      **5X10=50M**

**9.** Create the World's Smallest Django Project.

**(OR)**

**10.** Explain about WSGI Application

**11.** Explain the way for creating dynamic templates, integrating variables in template.

**(OR)**

**12.** Explain about Usage of filters.

**13.** Write a program to connect Database and Django

**(OR)**

**14.** Write a program for creating simple modules

**15.** Explain to build a REST API.

**(OR)**

**16.** Explain the way for Adding Filtering , Adding Validation.

**17.** Explain about HTML 5 Real –Time APIs, Web sockets.

**(OR)**

**18.** Explain about how to create a form in Django.

**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**
**VI – SEMESTER END EXAMINATIONS**

| | | | |
|---|---|---|---|
| Class | : III BCA | Max Marks | : 75 |
| Subject | : Computer Science | Pass Mark | : 30 |
| Title of Paper | : **Data Communications** | Duration | : 3Hrs |
| Paper Code | : **CBBCA603** | Time | : 2pm – 5pm |
| W.E.F | : 2017-18 | Date | : 17/05/2024 |

## SECTION-A

**I. Answer any <u>FIVE</u> of the following**                                5X5=25M

**1.** Explain Data communication and its components.

**2.** List different protocols and standards.

**3.** Explain about Analog versus Digital signals.

**4.** Explain about performance of Data and signals.

**5.** Explain about Block coding.

**6.** Explain about Delta modulation.

**7.** Explain about TDM and FDM.

**8.** Explain about Twisted – pair cable.

## SECTION-B

**II. Answer <u>ALL</u> of the following Questions**                          5X10=50M

**9.** Explain different types of topologies.

**(OR)**

**10.** Explain in detail about OSI model.

**11.** Explain in detail about Digital signals.

**(OR)**

**12.** Explain transmission impairment.

**13.** Explain about pulse code modulation.

**(OR)**

**14.** Explain about transmission modes.

**15.** Explain Digital to Analog conversion with near diagram.

**(OR)**

**16.** Explain about spread spectrum.

**17.** Explain about different types of switching techniques.

**(OR)**

**18.** Explain about wireless transmission Mediums.

Room No: _____

Regd No: 60

# KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
## VI – SEMESTER END EXAMINATIONS

Class : III B.Voc (WT,IT)
Subject : Computer Science
Title of Paper : .Net Programming
Paper Code : WSN602/ITN602/R20WSN602
W.E.F : 2021-22

Max Marks : 75
Pass Mark : 30
Duration : 3 Hrs
Time : 2pm–5pm
Date : 16.05.2024

## SECTION-A

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

1. Explain Button and Text Box with example?

2. Write about Tool strip Control?

3. Explain simple data binding with example?

4. Write set operators?

5. Explain Server Request and Response?

6. Explain Mouse Events?

7. Explain features of ADO.net

8. Explain Button Control with example

## SECTION-B

**II. Answer any FIVE of the following Questions**          5X10=50M

9. Explain any 5 windows form controls.

(OR)

10. Explain the common operations on windows form?

11. Explain different dialog boxes available in Visual Studio?

(OR)

12. How design a windows form application to stimulate traffic signals?

13. Explain data Binding in ADO.Net with example?

(OR)

14. Explain the procedure to execute commands using ADO?

15. Explain join operator with example?

(OR)

16. Explain Projection operators with examples?

17. Write a procedure to create Web Application using ASP.NET?

(OR)

18. Explain different types of Clint validation control in ASP.NET?

# KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
## VI – SEMESTER END EXAMINATIONS

Class : III.B.Voc (WT&SD, IT-ITeS)
Subject : Computer Science
Title of Paper : **DATA STRUCTURES**
Paper Code : **WSDS601/ITDS601/**R20WSDS601
W.E.F : 2021-22

Max Mark : 75
Pass Mark : 30
Duration : 3Hrs
Time : 2pm-5pm
Date : 15-05-2024

## SECTION-A

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

1. Explain about Time Complexity?
2. Explain the concept of Insertion sort?
3. Write an algorithm for selection sort?
4. Explain polish notation with an example?
5. Explain queue and its operations?
6. Explain linked representation of Stacks?
7. Explain Tower of Hanoi?
8. Explain Head sort with an example?

## SECTION-B

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

9. Explain the concept of Binary Search with example?

**(OR)**

10. Write a program to search an element using Linear Search?
11 Write a program for Bubble Sort?

**(OR)**

12. Explain Quick Sort with example?
13. Explain insertion, deletions, traversing and searching in Linked List?

**(OR)**

14. Convert the given arithmetic expression into postfix expression.(A+B)*C/(D-E)*F/G+H
15. Write a program to implement stack using Linked List?

**(OR)**

16. Write a program to implement queue using linked list?
17. Explain DFS algorithm with example?

**(OR)**

18. Write an algorithm for BFS with example?

# KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

## VI SEMESTER END REGULAR/SUPPLEMENTARY EXAMINATIONS - MAY - 2024

DATE: 15/05/2024 to 23/05/2024

| DATE | TIME | B.Sc M.P.C | M.P.Cs | M.E.Cs | M.S.Cs | MECs | CBZ | DATA SCIENCE | IoT | IT-ITes | Info.Technology/Cyber | GEN | T.P | COMP | LOG | EBA | BCA |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 15-05-2024 | 02:00 PM to 05:00 PM | Numerical Analysis CBMATA602 NUMERICAL METHODS R20MATA602 (2022-23) | Numerical Analysis CBMATA602A (2020-21) | Numerical Analysis CBMATA602A (2020-21) NUMERICAL METHODS R20MATA602 (2022-23) | Numerical Analysis CBMATA601A (2020-21) | Numerical Analysis CBMATA601 (2020-21) NUMERICAL METHODS R20MATA602 (2022-23) | Nursery, Gardening and Floriculture CBBOTB601A (2020-21) | Machine Learning DSDSA601 (2020-21) | Machine Learning IOTDSA601 (2020-21) | Data Structure ITDS601 | Data Structure WSDS601 (2020-21) Data Structures R20WSDA601 (2022-23) | EVENT MANAGEMENT CBEM601 (2017-18) ADVANCED CORPORATE ACCOUNTING R20COMA601 (2022-23) | EVENT MANAGEMENT CBEM601 (2017-18) MANAGEMENT ACCOUNTING R20COMTG01 (2022-23) | EVENT MANAGEMENT CBEM601 (2017-18) | EVENT MANAGEMENT CBEM601 (2017-18) ADVANCED CORPORATE ACCOUNTING R20COMA601 (2022-23) | EVENT MANAGEMENT CBEB601 (2017-18) | *** |
| 16-05-2024 | 02:00 PM to 05:00 PM | ANALOG & DIGITAL ELECTRONICS CBPHYA602A (2020-21) MATHEMATICAL SPECIAL FUNCTIONS R20MATA602 (2022-23) | ANALOG & DIGITAL ELECTRONICS CBPHYA601A (2020-21) | MICRO CONTROLLER & ITS INTERFACING CBELEA601A (2020-21) MATHEMATICAL SPECIAL FUNCTIONS R20MATA602 (2022-23) | APPLIED STATISTICS-2 CBSTA602A (2020-21) | MATHEMATICAL SPECIAL FUNCTIONS R20MATA602 (2022-23) | IMMUNOLOGY CBZOOA601 (2017-18) | APPLIED STATISTICS-2 DSMSA601 (2020-21) | COMMUNICATION SYSTEMS IOTELEA601 (2020-21) | NET ITN602 | NET WSN602 (2020-21) NET R20WSN602 (2022-23) | MANAGEMENT ACCOUNTING CBMA602 (2017-18) SOFTWARE SOLUTIONS & ACCOUNTING R20COMG602 (2022-23) | MANAGEMENT ACCOUNTING CBKA602 (2017-18) COST CONTROL TECHNIQUES R20COMTG02 (2022-23) | MANAGEMENT ACCOUNTING CBMA602 (2017-18) | MANAGEMENT ACCOUNTING CBMA602 (2017-18) SOFTWARE SOLUTIONS TO ACCOUNTING R20COMG602 (2022-23) | MANAGEMENT ACCOUNTING CBMA602 (2017-18) | *** |
| 17-05-2024 | 02:00 PM to 05:00 PM | APPLICATION OF ELECTRICITY AND ELECTRONICS R20PHY601 (2022-23) | *** | INDUSTRIAL ELECTRONICS R20PHYA601 (2022-23) | *** | ENVIRONMENTAL CHEMISTRY CBCHEB601A (2020-21) | ENVIRONMENTAL CHEMISTRY CBCHEB601A (2020-21) | *** | EMBEDDED SYSTEMS DESIGN WITH STM32 (2020-21) | Statistics ITN603 | Django WSDS603 (2020-21) Django R20WSDS603 (2022-23) | COMMERCIAL GEOGRAPHY CBGE603 (2017-18) LIFE INSURANCE WITH PRACTICE R20COMT603 (2022-23) | COMMERCIAL GEOGRAPHY CBGE603 (2017-18) CORPORATE TAX PLANNING R20COMT603 (2022-23) | COMMERCIAL GEOGRAPHY CBGE603 (2017-18) | TRANSPORT MANAGEMENT CBTM603 (2017-18) LOGISTICS SERVICES & PRACTICE R20COML603 (2022-23) | BUSINESS STRATEGY CBSTR603 (2017-18) | Data Communications CBBCA603 (2017-18) |
| 18-05-2024 | 02:00 PM to 05:00 PM | ELECTRONIC INSTRUMENTATION R20PHY601 (2022-23) | Web Technologies CBCSCA601 (2017-18) | Web Technologies CBCSCA601 (2017-18) ELECTRONIC INSTRUMENTATION R20MELE603 (2022-23) | Web Technologies CBCSCA601 (2017-18) | Web Technologies CBCSCA631 (2017-18) | *** | *** | *** | Content Management System ITCMS604 | Mobile Application Development WSMAD604 (2020-21) Mobile Application Development R20WSMAD601 (2022-23) | MARKETING CBMG604 (2017-18) GENERAL INSURANCE & PRACTICE R20COMG604 (2022-23) | MARKETING CBMG604 (2017-18) CUSTOMS PROCEDURE & PRACTICE R20COMT604 (2022-23) | MARKETING CBMG604 (2017-18) | INTERNATIONAL TRADE 2 CBTR604 (2017-18) EXIM PROCEDURE & PRACTICE R20COML604 (2022-23) | MEDIUM and SMALL ENTERPRISE MANAGEMENT CBMSEM604 (2017-18) | Cryptography and Network Security CBBCA604 (2017-18) |
| 20-05-2024 | 02:00 PM to 05:00 PM | MICROPROCESSORS AND MICROCONTROLLER CBPHYA602A (2020-21) | .NET Programming CBCSCA602 (2017-18) | INDUSTRIAL ELECTRONICS CBELE602A (2020-21) WEB INTERFACE DESIGNING TECHNOLOGIES R20CSCA601 (2022-23) | Integral Transforms CBSTA602A DESIGN OF EXPERIMENTS CBSTA602A (2020-21) | FUEL CHEMISTRY AND BATTERIES CBCHEB602A (2020-21) WEB INTERFACE DESIGNING TECHNOLOGIES R20CSCA601 (2022-23) | PLANT DIVERSITY AND HUMAN WELFARE CBBOTA602A PRINCIPLES OF AQUACULTURE CBZOOB602A (2020-21) | SOCIAL NETWORKS ANALYTICS DSDSA602 (2020-21) | INTRODUCTION TO AI R20CSCA602 (2020-21) | *** | *** | AUDITING CBAU603 INCOME TAX PROCEDURE & PRACTICE R20COMG605 (2022-23) | AUDITING CBAU605 (2017-18) INCOME TAX PROCEDURE & PRACTICE R20COMT605 (2022-23) | AUDITING CBAU605 (2017-18) | CORPORATE ACCOUNTING - 2 CBCSG605 (2017-18) E-COMMERCE R20COML605 (2022-23) | PROJECT EVALUATION MANAGEMENT CBPEM605 (2017-18) | .NET Programming CBBCA605 (2017-18) |
| 21-05-2024 | 02:00 PM to 05:00 PM | Digital Electronics CBPHYA602A (2020-21) | PHP CBCSCA603 (2017-18) | ELECTRONIC INSTRUMENTATION CBELEA602A (2020-21) WEB APPLICATION DEVELOPMENT USING PHP & MYSQL R20CSCA602 (2022-23) | Advanced Numerical Analysis CBMATA603A INDUSTRIAL STATISTICS & OPTIMIZATION MANAGEMENT R20STA (2020-21) | INORGANIC MATERIALS OF INDUSTRIAL IMPORTANCE CBCHEA602A (2020-21) WEB APPLICATIONS DEVELOPMENT USING PHP & MYSQL R20CSCA602 (2022-23) | ETHNOBOTANY AND MEDICINAL BOTANY CBBOTA603A AQUACULTURE MANAGEMENT CBZOOB603A (2020-21) | PHP DSDSA603 (2020-21) | ROBOTICS AND ITS APPLICATIONS IOTRA603 (2020-21) | *** | *** | FINANCIAL REPORTING CBFR604 GST PROCEDURE & PRACTICE R20COMG606 (2022-23) | GOODS & SERVICES TAX CBGST606 (2017-18) GST PROCEDURE & PRACTICE R20COMT606 (2022-23) | Steps with Java CBCOMP606 (2017-18) | PRODUCTION MANAGEMENT - 2 CBPM606 (2017-18) E-FILING R20COML606 (2022-23) | GLOBAL HRM CBGHRM606 (2017-18) | PHP CBBCA612 (2017-18) |
| 22-05-2024 | 02:00 PM to 05:00 PM | SYNTHETIC ORGANIC CHEMISTRY R20CHEA601 (2022-23) | E-Commerce CBCSCA604 (2017-18) | OPTICAL FIBER COMMUNICATION CBELEA604A (2020-21) | *** | ANALYSIS OF APPLIED INDUSTRIAL PRODUCTS CBCHEA601A (2020-21) SYNTHETIC ORGANIC CHEMISTRY R20CHEA601 (2022-23) | Pharmacognosy and Phytochemistry CBBOTA604A (2020-21) POST HARVEST TECHNOLOGY CBZOOB604A (2017-18) | SPARK PROGRAMMING DSDSA603 (2020-21) | *** | *** | *** | EMERGING AREAS IN ACCOUNTING CBCEA607 (2017-18) | TAX PLANNING & MANAGEMENT CBTPM607 (2017-18) | E-Commerce CBBCOMP607 (2017-18) | SUPPLY CHAIN MANAGEMENT - 2 CBSCM607 (2017-18) | TRAINING & DEVELOPMENT CBTD607 (2017-18) | *** |
| 23-05-2024 | 02:00 PM to 05:00 PM | ANALYSIS OF ORGANIC COMPOUNDS R20CHEA602 (2022-23) | *** | *** | *** | ANALYSIS OF ORGANIC COMPOUNDS R20CHEA602 (2022-23) | *** | *** | *** | *** | *** | *** | *** | Advanced Tally (Accounts with Inventory) CBBCOMPES2 (2017-18) | *** | *** | *** |

Controller of Examinations

Principal