

SM 23

THREE YEAR B.A. (CBCS) DEGREE EXAMINATION, APRIL/MAY 2025.

SECOND SEMESTER

General Telugu

సృజనాత్మక రచన - ప్రశ్నపత్రం

Time : Three hours

Maximum : 70 marks

(No additional sheet will be supplied)

విభాగం ఎ — (5 × 4 = 20 మార్కులు)

క్రింది పది ప్రశ్నలలో ఏదైనా ఐదు ప్రశ్నలకు సమాధానాలు రాయండి.

పదవ ప్రశ్నకు తప్పనిసరిగా సమాధానం రాయండి.

1. భాష లక్షణాలు
2. వర్ణం
3. వార్త
4. అనువాద ప్రమాణాలు
5. యాంకరింగ్
6. వికీపీడియా
7. అనువాదంలో భాగోళిక సమస్యలు
8. బ్లాగింగ్
9. పాడ్ కాస్ట్
10. క్రింది ఆంగ్ల భాషలోని విషయాన్ని తెలుగులోకి అనువాదం చేయండి.

One day, a beggar was going round the village streets, seeking alms. All of a sudden he saw a splendid chariot coming his way. First he couldn't believe his eyes. Then he started dreaming about his luck. He expected the king in that golden chariot to give him a lot of wealth. But when the chariot came close to him, the king opened his hand to the beggar and asked for something.

విభాగం బి — (5 × 10 = 50 మార్కులు)

క్రింది ఐదు ప్రశ్నలకు వ్యాసరూప సమాధానములు రాయండి.

11. (a) భాషా ఉత్పత్తి వాదాలను వివరించండి.
లేదా
(b) భాషా ఆవశ్యకత, ప్రయోజనాలను వివరించండి.
12. (a) అనువాద పద్ధతులను వివరించండి.
లేదా -
(b) అనువాద సమస్యలను సాదాహరణంగా తెల్పండి.
13. (a) 'అక్షర రూపం దాల్చిన ఒక్క సీరా చుక్క లక్ష మెదళ్ళకు కదలిక' - నిరూపించండి.
లేదా
(b) దృశ్యమాధ్యమాలను గూర్చి రాయండి.
14. (a) వ్యాసాన్ని నిర్వచించి, వ్యాస లక్షణాలను వివరించండి.
లేదా
(b) ఉపాధ్యాయ ఉవాచను పరిచయం చేయండి.
15. (a) తెలుగు లిపిని పరిచయం చేసి యూనికోడ్ ఆవిర్భావ విశేషాలను తెలపండి.
లేదా
(b) సామాజిక మాధ్యమాల్లో తెలుగు విశిష్టతను తెల్పండి.

SM 20

THREE YEAR B.A./B.Sc./B.Com./B.B.A. (CBCS) DEGREE EXAMINATION, APRIL/MAY 2024.

SECOND SEMESTER

Part 1 (A) – English

Course II – A COURSE IN READING AND WRITING SKILLS

(w.e.f. 2023-24 Admitted Batch)

Time : Three hours

Maximum : 70 marks

(No additional sheet will be provided)

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1. Answer any THREE of the following questions: (3 × 5 = 15)
- (a) What makes Ulysses seek newer adventures?
 - (b) List the roles and responsibilities Ulysses assigns to his son Telemachus, while he was away.
 - (c) How does Night of the Scorpion explore the concept of sacrifice and the mother's role as a selfless personality?
 - (d) What is the role of superstitions in the poem? How do the villagers' beliefs impact their actions and attitudes toward the mother?
 - (e) Why does the poet stop in the woods in "Stopping by the Woods on a Snowy Evening"?
 - (f) What is the significance of the last two lines of the poem and how do they contribute to the poem's overall meaning?
2. Answer any THREE of the following questions: (3 × 5 = 15)
- (a) Why does the doctor consider his help to the young man as "The Best Investment" he ever made?
 - (b) What conditions forced the young man to attempt suicide?
 - (c) How did Nightingale bring about a change in the hospital in Scutari?
 - (d) Why was Florence called "The Lady with the Lamp"?
 - (e) What is the mystery about Deoli station that the author talked about?
 - (f) "I felt the impulse to put her on the train there and then, and take her away with me". Explain the lines.
3. Answer ONE of the following questions: (1 × 5 = 5)
- (a) Justify the title, "An Astrologer's Day".
 - (b) Write a brief note on Scanning, a reading technique.

4. Read the following passage carefully and answer the questions that follow: (5 × 1 = 5)

There was a man who had four sons. He wanted his sons to learn not to judge things too quickly. So, he sent each one of them on a search, in turn, to go and look at a pear tree that was a great distance away. The first son went in the winter, the second in the spring, the third in summer, and the youngest son in autumn.

When they returned, he called them together to describe what they had seen. The "Winter," the son said that the tree was ugly, bent, and twisted. The "Spring" said No, it was covered with green buds and full of promise. The "Summer" son disagreed; he said it was laden with blossoms that smelled so sweet and looked so beautiful, it was the most graceful thing he had ever seen. The "autumn" son disagreed with all of them; he said it was ripe and drooping with fruit, full of life and fulfillment. The man then explained to his sons that they were all correct because they had each seen but one season in the tree's life. In the same fashion, we cannot judge a person in a single meeting.

To understand a person, one has to know his philosophy, his views, and his behavior towards fellow beings, towards the environment. Both with him and with ourselves, don't let the pain of one season ruin the joy of all the rest.

- How did the "spring" son describe the tree?
- Why did the father send his sons on a search?
- Which quality did the father want to teach his sons by sending them in different directions?
- What should we do to understand a person?
- Give the antonym of "Ripe".

5. Match the following words with their meanings. (5 × 1 = 5)

Column A

Column B

- | | |
|-------------------|---|
| (a) Avaricious | (i) One who can throw his voice |
| (b) Etymology | (ii) One who doesn't know how to read and write |
| (c) Obsolete | (iii) One who is greedy for money |
| (d) Illiterate | (iv) A study of the derivation of words |
| (e) Ventriloquist | (v) A thing no longer in use |

6. Expand any ONE of the following: (1 × 5 = 5)

- Rome was not built in a day.
- Health is Wealth.

7. Choose the most appropriate collocations from the choices to make a meaningful sentence. (5 × 1 = 5)

- Few people can ——— (have/save) a secret.
- Raj ——— (paid/took) no attention to my requests.
- Although the doctors tried hard, they couldn't ——— (protect/save) his life.
- They ——— (came/brought) close to hitting one other.
- Sita ——— (gave/made) a cough to catch his attention.

8. Read the following passage and make notes. (1 × 5 = 5)
- The human brain is spherical like a ball. It is divided into two halves called the two hemispheres. The right hemisphere controls the working of the left side of the body, while the left hemisphere controls the right side. Furthermore, each hemisphere controls certain kinds of mental activity. In most people, reasoning or logical thinking and the learning of mathematics and languages are controlled by the left hemisphere while the abilities in arts and crafts; music, dance, and sports are controlled by the right hemisphere.
9. Answer any ONE of the following. (1 × 5 = 5)
- (a) Write a letter to your mother requesting her to come to your town and spend some time with you.
- (b) Write a letter to the Editor of a newspaper about the sound system played by your neighbors at your locality.
10. Prepare a Curriculum vitae/Resume for any ONE of the following advertisements. (1 × 5 = 5)
- (a) Prepare a Curriculum Vitae for the post of English Lecturer at S.V. Degree College, Raichur.
- (b) Prepare a CV for the post of Front Office Assistant – must be a graduate – Fluency in English is a must – Knowledge of computers preferable – good communication skills.
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SDC 216

THREE YEAR B.A./B.Sc./B.Com./B.B.A. (CBCS) DEGREE EXAMINATION, APRIL/MAY 2024.

SECOND SEMESTER

Part III – Skill Development Course

FRUITS AND VEGETABLE PRESERVATION

(w.e.f. 2020 – 2021 Admitted Batch)

Time : Two hours

Maximum : 50 marks

(No additional sheet will be supplied)

PART A — (4 × 5 = 20 marks)

Answer any FOUR questions.

1. Dry fruits.
2. Leaf vegetables.
3. Biological aging.
4. Jellies.
5. Banana chips.
6. Freezing storage.
7. Spinach.
8. Canning.

PART B — (3 × 10 = 30 marks)

Answer any THREE questions.

9. Write about the importance of fruits and vegetables in human nutrition.
 10. Describe about the application of Mango candy.
 11. Give an account on making of vegetables products.
 12. Write about the few frozen vegetables of an India.
 13. What is preservation? Write about the importance of preservation of fruits and vegetables.
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SDC 217

THREE YEAR B.A./B.Sc./B.Com./B.B.A. (CBCS) DEGREE EXAMINATIONS, APRIL/ MAY 2024

SECOND SEMESTER

Part – III – Skill Development Course

DAIRY TECHNOLOGY

(w.e.f. 2020-21 Admitted Batch)

Maximum : 50 marks

Time : Two hours.

(No additional sheet will be supplied)

SECTION A — (4 × 5 = 20 marks)

Answer any FOUR of the following questions.

1. Selection of animals
2. NDDB
3. Castration
4. Sanitation methods
5. Nutritive value of milk
6. Cross breeding
7. Mixing of feeds
8. Storage of Milk

SECTION B — (3 × 10 = 30 marks)

Answer any THREE of the following.

9. Write an essay on scope and developments of dairy technology in India.
 10. Deworming and vaccination program me.
 11. Explain the composition of feeds and the methods of feed formulation.
 12. Methods of collection and storage of milk and milk products.
 13. Explain the methods to select dairy animals and maintenance of calf and heifer.
 14. Explain in detail about system of inbreeding and cross breeding and its significance.
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2 MJ 10103

THREE YEAR B.A. (Honors) (CBCS) DEGREE EXAMINATION, APRIL/MAY 2024.

SECOND SEMESTER

Economics – (Major)

Paper III – MICRO ECONOMICS

(w.e.f. 2023 – 2024 Admitted Batch)

Time : Three hours

Maximum : 70 marks

(No additional sheet will be supplied)

PART A — (5 × 4 = 20 marks)

Answer any FIVE of the following questions.

1. Production Possibility Curve.
2. Positive Economics.
3. Budget line.
4. Production Function.
5. Elasticity of supply.
6. Price Discrimination.
7. Oligopoly.
8. Quasi Rent.
9. Uncertainty Theory of Profit.
10. Functional Distribution.

PART B — (5 × 10 = 50 marks)

Answer ALL of the following questions.

11. Explain the Definition and Scope of Economics.

Or

12. Describe the Principles of Microeconomics.
13. Explain the meaning and types of Elasticity of Demand.

Or

14. Explain the Consumer Equilibrium using the Indifference Curve.

15. Mention Different Objectives Of A Firm.

Or

16. Explain the Law Of Returns To Scale with a Diagram.

17. Define the concept of Market and Describe Market types.

Or

18. Explain the Kinked Demand Curve.

19. Critically explain the Ricardian Theory of Rent.

Or

20. Explain the Innovation Theory of Profit.

2 MJ 10104

THREE YEAR B.A. (Honors) (CBCS) DEGREE EXAMINATION, APRIL/MAY 2024.

SECOND SEMESTER

Economics (Major)

Paper IV — MATHEMATICAL METHODS FOR ECONOMICS

(w.e.f. 2023-24 Admitted Batch)

Time : Three hours

Maximum : 70 marks

(No additional sheet will be supplied)

SECTION A — (5 × 4 = 20 marks)

Answer any FIVE of the following questions.

- (a) List of the proper subsets of $A \{s, i, v\}$.
(b) If $A = \{1, 2, 3\}$ and $B = \{a, b\}$ then find $A \times B$ and $B \times A$.
- If $A = \{a, b, c, d\}$ and $B = \{1, 2, 3, 4, 5\}$ and $f = ((a, 2)(b, 5)(c, 4)(d, 1))$ then find Range of f ?
- Prove that the function $f(x) = 5x + 3$ is continuous at $x = 2$.
- If $y = \sin(2x + 3)$ then find $\frac{dy}{dx}$.
- Find the minimum value of $x^2 + y^2 + z^2$ given $x + y + z = 3a$.
- If $f(x) = 3x^3 - 9x^2 - 27x + 15$. Find extreme values.
- Definition of Linear Programming.
- If Marginal revenue if $MR = 9 - 4x^2$, find the demand function.
- If $A = \begin{bmatrix} 3 & 4 \\ 5 & 2 \end{bmatrix}$ and $B = \begin{bmatrix} 1 & 2 \\ 3 & 4 \end{bmatrix}$ then find $A - B$.
- If $A = \begin{bmatrix} 3 & 2 \\ 1 & -4 \end{bmatrix}$ and $B = \begin{bmatrix} 4 & -1 \\ 2 & 1 \end{bmatrix}$ then find AB .

SECTION B — (5 × 10 = 50 marks)

Answer ALL questions. Each question carries 10 marks.

11. Explain the role of mathematical methods in Economics.

Or

12. If $A = \{2, 3, 4\}$ $B = \{1, 3, 5, 7\}$ $C = \{2, 5, 9\}$. Then
 - (a) $A \cup B = B \cup A$
 - (b) $A \cup (B \cap C) = (A \cup B) \cap C$
 - (c) $A \subset (A \cup B)$ state these are True or False.

13. Explain the properties of Limits.

Or

14. If $u = \log(x^2 + y^2)$ then prove that $\frac{\partial^2 u}{\partial y \partial x} = \frac{\partial^2 u}{\partial x \partial y}$.

15. Explain the Optimization with suitable examples.

Or

16. Maximize profit function $\pi = 50x - 2x^2 - xy - 3y^2 + 95y$. Subject to $x + y = 25$.

17. Define Integration and explain the simple rules of Integration.

Or

18. Find Basic feasible solution of $x_1 + 2x_2 + x_3 = 4$, $2x_1 + x_2 + 5x_3 = 5$.

19. Define the Matrix and explain types of Matrix.

Or

20. Find the Inverse of the matrix $A = \begin{bmatrix} 1 & 2 & -2 \\ -1 & 3 & 5 \\ 2 & 7 & -4 \end{bmatrix}$.

2 RS 41055

THREE YEAR B.A. (CBCS) DEGREE EXAMINATION, APRIL/MAY 2025.

FOURTH SEMESTER

Economics

Paper V – STATISTICAL METHODS FOR ECONOMICS

(w.e.f. 2020–21 Admitted Batch)

Time : Three hours

Maximum : 75 marks

(No additional sheet will be supplied)

SECTION A — (5 × 5 = 25 marks)

Answer any FIVE of the following.

Each question carries 5 marks.

ఏవేని ఐదు ప్రశ్నలకు సమాధానములు వ్రాయుము.

ప్రతి ప్రశ్నకు 5 మార్కులు.

1. Sampling method
ప్రతిచయన పద్ధతి
2. Features of good questionnaire
మంచి ప్రశ్నావళి లక్షణాలు
3. Merits and demerits of arithmetic mean
అంకమధ్యమం సుగుణాలు మరియు లోపాలు.
4. Explain scatter diagram.
వ్యాప్తి పటమును వివరింపుము.
5. Calculate Median from the following data.
క్రింది దత్తాంశానికి మధ్యగతాన్ని లెక్కించండి.
Wages 110 115 120 125 130 135 140 145
(వేతనాలు)
6. Calculate Range from the given below data.
క్రింది దత్తాంశం నుండి వ్యాప్తిని కనుగొనండి.
Variables 20 78 96 45 60 120 58 140 85
(చలరాశులు)
7. Write the sources of Secondary data.
ద్వితీయ డేటా యొక్క మూలాలను వ్రాయండి.

8. Types of Correlation

సహసంబంధ రకాలు.

9. Calculate Quartile Deviation (Q.D) from the following data.

క్రింది దత్తాంశం నుండి చతుర్థాంశ విచలనాన్ని కనుగొనండి.

Income 200 225 250 275 300 350 400 450 500
(ఆదాయం)

10. Draw a simple bar diagram to the given data.

క్రింది దత్తాంశానికి సాధారణ బార్ వటాన్ని గీయండి.

Year 2016 2017 2018 2019 2020
(సంవత్సరం)

Output 45 60 70 85 95
(ఉత్పాదితము)

SECTION B — (5 × 10 = 50 marks)

Answer ALL questions.

Each question carries 10 marks.

అన్ని ప్రశ్నలకు సమాధానములు వ్రాయుము.

ప్రతి ప్రశ్నకు 10 మార్కులు.

11. Describe the importance and limitations of statistics.

గణాంకాల శాస్త్రం యొక్క ప్రాధాన్యతను మరియు పరిమితులను వర్ణింపుము.

Or

12. Explain the various methods of collecting Primary Data.

ప్రాథమిక దత్తాంశాన్ని సేకరించే వివిధ పద్ధతులను వివరింపుము.

13. Explain the concept of a frequency polygon

ఫ్రీక్వెన్సీ బహుభుజి భావనను వివరించండి.

Or

14. Draw a Histogram to the following table and find the mode through the histogram.

క్రింది దత్తాంశానికి సోపాన చిత్రపటాన్ని గీచి సోపాన చిత్రం ద్వారా బహుళకాన్ని కనుగొనండి.

| | | | | | | | | |
|---------------------------|------|-------|-------|-------|-------|-------|-------|-------|
| Marks (మార్కులు) | 0-10 | 10-20 | 20-30 | 30-40 | 40-50 | 50-60 | 60-70 | 70-80 |
| Students (విద్యార్థుల) | 10 | 18 | 40 | 65 | 80 | 50 | 25 | 15 |

15. What are the different types of averages used in statistics?

గణాంకాలలో ఉపయోగించే వివిధ రకాల సగటులు ఏమిటి?

Or

16. Find the Standard deviation from the following data.

క్రింది దత్తాంశం నుండి ప్రామాణిక విచలనాన్ని కనుగొనండి.

| Marks (మార్కులు) | 10-20 | 20-30 | 30-40 | 40-50 | 50-60 | 60-70 | 70-80 | 80-90 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Students (విద్యార్థులు) | 6 | 10 | 16 | 25 | 15 | 9 | 5 | 3 |

17. In a beauty competition, the ranks given by two judges are given below. Calculate rank correlation.

ఒక అందాల పోటీలు ఇద్దరు న్యాయ నిర్ణేతలు ఇచ్చిన ర్యాంకులు ఈ విధంగా ఉన్నాయి. కోటి సహ సంబంధాన్ని కనుగొనండి.

| | | | | | | | | | | |
|-------------------------------|---|----|---|---|---|---|---|---|----|---|
| First Judge (మొదటి న్యాయ) | 5 | 9 | 4 | 3 | 7 | 1 | 2 | 6 | 10 | 8 |
| Second Judge (రెండవ న్యాయ) | 3 | 10 | 7 | 5 | 6 | 2 | 1 | 4 | 8 | 9 |

Or

18. Construct a regression line for the following data by the least square method

క్రింది డేటాకు కనీస చతురస్ర పద్ధతి ద్వారా తిరోగమన రేఖను నిర్మించండి.

| | | | | | | | | |
|---|---|---|---|----|----|----|----|----|
| X | 2 | 3 | 5 | 7 | 10 | 12 | 19 | 22 |
| Y | 3 | 5 | 8 | 10 | 12 | 15 | 17 | 26 |

19. What is a Time Series? Explain its components.

టైమ్ సిరీస్ అంటే ఏమిటి? దాని భాగాలను వివరించండి.

Or

20. Construct the Fisher index number from the following table.

ఈ క్రింది దత్తాంశం నుండి ఫిషర్ సూచీ సంఖ్యను నిర్మించండి.

| Item (అంశం) | Base Year (ఆధార సంవత్సరం) | | Current Year (ప్రస్తుత సంవత్సరం) | |
|----------------|------------------------------|------------------------|-------------------------------------|------------------------|
| | Price (ధర) | Quantity (పరిమాణము) | Price (ధర) | Quantity (పరిమాణము) |
| A | 8 | 50 | 10 | 60 |
| B | 10 | 40 | 12 | 50 |
| C | 20 | 30 | 25 | 40 |
| D | 15 | 60 | 20 | 70 |

2 MJ 20103

THREE YEAR B.B.A. (CBCS) DEGREE EXAMINATION, APRIL/MAY 2024.

SECOND SEMESTER

PRINCIPLES OF MANAGEMENT

(Major)

(w.e.f. 2023-24 Admitted Batch)

Time : Three hours

Maximum : 70 marks

(No additional sheet will be supplied)

PART A — (5 × 4 = 20 marks)

Answer any FIVE of the following.

Each question carries 4 marks.

1. Process of management.
2. Administration Vs Management.
3. Levels of planning. .
4. Types of decisions.
5. Span of control.
6. Advantages of centralization.
7. Nature of directing.
8. Importance of staffing.
9. Advantages of controlling.
10. Nature of controlling.

PART B — (5 × 10 = 50 marks)

Answer ONE question from each unit

Each question carries 10 marks.

11. Describe the schools of Management Thought.

Or

12. Define Management and explain the differences between Administration and Management

13. What are the different steps in Management By Objectives (MBO)?

Or

14. What are the various steps in planning process?

15. Explain the advantages and disadvantages of line and staff organization.

Or

16. What are the factors influencing the determination of degree of Decentralization?

17. What is manpower planning? Explain its objectives.

Or

18. Explain the Maslow need hierarchy theory of motivation elaborately.

19. What are the various techniques of managerial control?

Or

20. Explain the various essentials of effective controlling.

2 MJ 40103/2 MJ 50103

THREE YEAR B.Com. (CBCS) DEGREE EXAMINATION, APRIL/MAY 2024.

SECOND SEMESTER

B.Com. (General) – Majors/Computer Applications

FINANCIAL ACCOUNTING

(w.e.f. 2023-24 Admitted Batch)

Time : 3 hours

Maximum : 70 marks

(No additional sheet will be supplied)

PART A — (5 × 4 = 20 marks)

Answer any FIVE of the following.

1. Book-keeping Vs Accounting.
2. Types of Subsidiary books.
3. Importance of final accounts.
4. Trading account.
5. Depletion method.
6. Causes of depreciation.
7. Account sales.
8. Valuation of unsold stock on consignment.
9. Joint bank account.
10. Features of joint venture.

PART B — (5 × 10 = 50 marks)

Answer ONE question from each unit.

11. Journalize the following transactions

2024

- Jan 1 Dharani started business with a cash of Rs.1,25,000
4 Bank account opened with Rs.15,000
6 Sold goods to Kavitha Rs.15,000
7 Sunitha sold goods to us Rs.7,800
9 Bought furniture from Saroja Rs.9,000 and issued cheque
12 Kavitha settled her account with Rs.14,850
20 Cash paid to Sunitha Rs.7,800
28 Received commission from Bharani Rs,5,000
30 Dharani used Rs. 5,000 worth of goods for her personal use
31 Paid salaries Rs.25,000

Or

12. Enter the following transactions in three columnar cash book

| Date | Details | Amount |
|---------|---|--------|
| 2023 | | Rs. |
| Aug. 01 | Cash balance | 15,000 |
| | Bank balance | 10,000 |
| 8 | Cash sales | 22,000 |
| 9 | Payment for cash purchases | 21,000 |
| 9 | Cash deposited in bank | 15,000 |
| 14 | Withdrawn from bank for personal use | 6,000 |
| 16 | Withdrawn from bank office use | 14,500 |
| 20 | Received cheque from John in full and final settlement and deposited the same in the bank | 10,700 |
| 23 | Received cash from Michael | 6,850 |
| | Discount allowed | 150 |
| 25 | Cartage paid in cash | 350 |
| 25 | Cheque received from Kumar | 4,500 |
| 28 | Cheque received from Kumar deposited in Bank | 4,500 |
| 31 | Cheque deposited on Aug. 28 dishonoured | |
| 31 | Rent paid by cheque | 4,000 |
| 31 | Paid wages to the watchman in cash | 3,000 |
| 31 | Paid cash for postage | 220 |

13. From the following information prepare trading and profit and loss account

| | Rs. | | Rs. |
|--------------------|----------|----------------------|-----------|
| Stock (1.1.2023) | 1,00,000 | Purchases | 5,00,000 |
| Office expenses | 10,000 | Rent rates and taxes | 20,000 |
| Insurance | 4,000 | Depreciation | 6,000 |
| Discount allowed | 25,000 | Bad debts | 18,000 |
| Advertisement | 5,000 | Gas water | 3,000 |
| Factory lighting | 5,000 | General expenses | 8,000 |
| Stock (31.12.2023) | 1,50,000 | Telegrams | 2,000 |
| Wages | 1,00,000 | Motive power | 10,000 |
| Carriage | 10,000 | Returns outwards | 20,000 |
| Export duty | 18,000 | Sales | 12,25,000 |
| Coal and coke | 25,000 | Fuel | 25,000 |
| Returns inwards | 20,000 | Printing | 4,000 |
| Stationery | 15,000 | Salaries | 50,000 |

Or

2 MJ 40103/2 MJ 50103

14. Prepare trading account, profit and loss account and balance sheet as on 31st December 2023

| Debit balances | Rs. | Credit balances | Rs. |
|------------------------|----------|-----------------|----------|
| Drawings | 72,000 | Capital | 2,00,000 |
| Building | 1,00,000 | Bank overdraft | 60,000 |
| Furniture | 50,000 | Sales | 6,00,000 |
| Motor van | 1,40,000 | Commission | 9,000 |
| Interest | 3,000 | Creditors | 20,000 |
| Purchases | 3,00,000 | Interest | 6,000 |
| Opening stock | 50,000 | | |
| Establishment expenses | 34,000 | | |
| Wages | 4,000 | | |
| Insurance | 2,000 | | |
| Debtors | 55,000 | | |
| Bank A/c | 75,000 | | |
| Cash in hand | 10,000 | | |
| | 8,95,000 | | 8,95,000 |

Adjustments:

- (a) Closing stock value as on 31-12-2023 was Rs.64,800
 - (b) Outstanding wages were Rs.2,000
 - (c) Prepaid insurance is Rs.1,000
 - (d) Charge interest on capital at 10% p.a.
 - (e) Depreciation: Buildings 5 %, Furniture and Motor van 10%
15. Mahendra Ltd purchased a machine on 1-01-2020 for Rs76,000 and paid for Rs.4,000 for erection of machine. On 1-4-2021 the company purchased another machine for Rs.50,000. On 30-6-2022, the first machine was sold for Rs.25,000 due to repairs. On 1.7.2022 acquired another machine for Rs.1,00,000. The company follows the calendar year as the financial year. Write off depreciation at 10% per annum. Show the machinery account under Diminishing Balance Method upto 31-12-2023.

Or

16. B Ltd acquired a lease right for 25 years of a mine on 1st January 2019 on a lumpsum payment of Rs.15,00,000. Estimated coal deposit was 37,50,000 tonnes, 80% of which, it is expected, could be raised within the lease period. The company decided to depreciate the lease under the depletion method. The annual raising were 2019- 50,000 tonnes, 2020 — 80,000 tonnes, 2021 – 1,00,000 tonnes, 2022 and 2023 - 2,00,000 tonnes each year. Show the lease account from 1st January 2019 to 31 December 2023.

2 MJ 40103/2 MJ 50103

17. On 1st January 2023, Rani consigned 2,000 cases of lipsticks to Ramani of Rajamundry. The cost of each case is Rs.200. Rani paid Rs.10,000 towards freight and Rs.5,000 for insurance. Ramani received the stock on 15th January 2023 and accepted two months bill drawn by Rani for Rs.50,000 as an advance. On 31st March 2023 the Ramani sent the account sales with the following particulars

- (a) 1,600 cases of lipsticks were sold at the rate of Rs.240 each.
- (b) Ramani incurred Rs.1,000 godown rent, Rs.500 as insurance and selling expenses Rs.1,000
- (c) Ramani is entitled to a commission of 5% on sales

Ramani settled her account by sending the balance by bank draft. Prepare necessary ledger accounts in the books of Rani.

Or

18. Gupta, Hyderabad, consigned 500 cases of Toys to Murali of Mumbai. The cost of each case was Rs.500. The consignor paid Rs.1,000 for freight and insurance. The consignee took delivery and incurred expenses as carriage to godown Rs.1,000 and godown rent Rs1,000. Consignee reported that 420 cases were sold at Rs.800 each. They are entitled to a commission of 10% on sales. The consignee settled his account by sending a cheque for the balance due to from him. Pass necessary journal entries in the books of Consignor.

19. Vinay and Pranay join together to construct a building for Rs.5,00,000 sharing profits and losses equally. They opened a Joint Bank A/c, each contributing Rs.1,00,000. They incurred the following costs:

| | Rs. |
|----------------------------------|----------|
| Raw materials purchased | 2,00,000 |
| Wages | 50,000 |
| Materials supplied by Vinay | 40,000 |
| Concrete mixer supplied by Vinay | 45,000 |
| Materials supplied by Pranay | 20,000 |

Pranay took over the stock of material valued Rs.50,000. The contract was completed and all the money was received. Prepare the necessary accounts.

Or

20. Ravi and Rakesh were started Joint Venture and agreed to share profits and losses in the ratio of 3:2. Ravi used to purchase goods and send them to Rakesh for sale. Ravi purchased goods for Rs 2,40,000 and paid Rs.20,000 as expenses. The honorarium to Ravi is Rs.40,000. Rakesh sold goods and received cash Rs.3,60,000 and incurred Rs.10,000 as expenses. Rakesh is entitled to receive 5% commission on sales. Pass necessary journal entries in the books of Ravi and Rakesh.

2 MJ 50104

THREE YEAR B.Com. (Comp) (CBCS) DEGREE EXAMINATION, APRIL/MAY 2024.

SECOND SEMESTER

Major

OFFICE AUTOMATION TOOLS

(w.e.f 2023 – 24 Admitted Batch)

Time : Three hours

Maximum : 70 marks

(No additional sheet will be supplied)

PART A — (5 × 4 = 20 marks)

Answer any FIVE of the following.

1. What are bullets and numbering mainly used for?
2. What is spell check and auto correct in MS-Word?
3. Explain the steps to insert 3D model in MS-Word?
4. What is the use of hyperlink in Word?
5. What is difference between workbook and worksheet?
6. What is the spell check shortcut for Excel?
7. What is filter in Excel?
8. Write about view menu in Excel.
9. Write the steps to insert audio in a presentation.
10. How to add Transition in MS PowerPoint? Explain.

PART B — (5 × 10 = 50 marks)

Answer FIVE of the following.

11. What is MS-WORD? Explain the features of MS-Word.

Or

12. Explain different text formatting tool in MS-Word.
13. What is Mail Merge? Explain the concept of Mail Merge in MS-Word.

Or

14. Explain the steps to create a table in MS-word.

15. What is MS-Excel? Explain the features of MS-Excel.

Or

16. Explain different types of functions in MS-Excel.

17. What is the Cell Reference? Briefly Explain about the different Cell Reference with example.

Or

18. What are charts? Explain the types of charts in MS-Excel?

19. Differentiate between master and normal slide in relation to MS-Power point.

Or

20. Explain various types of views of slide in MS-Power point.

2 MJ 60303

THREE YEAR B.Sc. (CBCS) DEGREE EXAMINATION, APRIL/MAY 2024.

SECOND SEMESTER

Botany (Major)

Course 3 : NON VASCULAR PLANTS (Algae, Fungi, Lichens and Bryophytes)

(w.e.f. 2023-24 Admitted Batch)

Time : Three hours

Maximum : 70 marks

(No additional sheet will be supplied)

PART A — (5 × 4 = 20 marks)

Answer any FIVE questions.

1. Cell structure of Algae
2. Pigments in Algae
3. Vaucheria Thallus
4. Cystocarp – Polysiphonia
5. Heterothallism
6. Parasexuality
7. Cleistothecium - penicillium
8. Basidiospores in puccinia
9. Anthoceros Antheridia
10. Funaria plant

PART B — (5 × 10 = 50 marks)

Answer ALL the questions.

11. Write the classification of algae according to F.E. Fritsch.
Or
12. Explain about the ecological and economic importance of algae.
13. Describe the life cycle of spirogyra.
Or
14. Explain about the culture and cultivation of chlorella.

15. Write the general characteristics of fungi.

Or

16. Write about ecological and economic importance of fungi.

17. Describe life cycle of *Rhizopus*.

Or

18. Describe the structure and reproduction of lichens.

19. Describe the internal structure of *Marchantia* Thallus T.S. with a labelled diagram.

Or

20. Describe the vertical section of *Funaria* capsule v.s. with a labelled diagram.

2 MJ 60304

THREE YEAR B.Sc. (CBCS) DEGREE EXAMINATION, APRIL/MAY 2024.

SECOND SEMESTER

Botany (Major)

Course IV – ORIGIN OF LIFE AND DIVERSITY OF MICROBES

(w.e.f. 2023–24 Admitted Batch)

Time : Three hours

Maximum : 70 marks

(No additional sheet will be supplied)

I. Answer any FIVE questions.

(5 × 4 = 20 marks)

1. Pasteur Experiments.
2. Discovery of microorganisms.
3. Archae bacteria.
4. *Chlamydiae*.
5. Binary fission.
6. Conjugation.
7. Mutualism.
8. Parasitism.
9. Mass production.
10. Mode of applications.

II. Answer ALL questions.

(5 × 10 = 50 marks)

11. Write about Five kingdom classification of R.H. Whittaker.

Or

12. Write about significance of viruses in vaccine production, biopesticides and cloning vectors.

13. Explain general characteristics, outline classification and economic importance of Actinomyces and Cyano bacteria.

Or

14. Explain about the Culture and Cultivation of Spirulina.

15. Describe the distribution and cell structure of Eubacteria.

Or

16. Discuss about the Economic importance of Eubacteria with reference to their role in Agriculture and industry.

17. Explain about the factors influencing Soil of microflora and role microorganisms in Soil fertility.

Or

18. Write about the Micro organisms of rhizosphere, phyllosphere and Spherosphere.

19. Explain about the Role of Frankia and VAM in Soil fertility.

Or

20. Write an essay on Microbial pesticides.

2 MN 60401

FOUR YEAR B.Sc. (Honours) (CBCS) DEGREE EXAMINATION, APRIL/MAY 2024.

SECOND SEMESTER

Chemistry (Minor)

Paper I- GENERAL AND INORGANIC CHEMISTRY

(w.e.f. 2023-24 Admitted Batch)

Time : Three hours

Maximum : 70 marks

(No additional sheet will be supplied)

SECTION A — (5 × 4 = 20 marks)

Answer any FIVE of the following.

1. Define and explain ionic radii.
2. Write short notes on Pauli's exclusion principle.
3. Write short note on Electroaffinity.
4. Discuss thermal stability of typical ionic compounds.
5. Write the effect of electronegativity on bonding.
6. Explain the LCAO Method of Molecular Orbital Theory with suitable example.
7. Explain briefly about Conductors, Semi conductors and Insulators.
8. Write short notes on dipole — dipole interactions.
9. Explain Lewis theory with suitable examples.
10. Define and explain pH.

SECTION B — (5 × 10 = 50 marks)

Answer FIVE of the following.

11. Write a brief note on IUPAC nomenclature and group number, horizontal, vertical of the periodic table.
- Or
12. Explain the Classification of Long form of Periodic table into different Blocks.

13. Explain the factors favouring the formation of ionic compounds.

Or

14. Explain Born-Haber Cycle of enthalpy of formation of ionic compound.

15. Explain the structures of SF_4 and ICl_4^+ by VSEPR model.

Or

16. Construct and explain MO diagram for hetero nuclear diatomic molecule of NO.

17. What is Hydrogen Bond? Explain its types with suitable examples.

Or

18. Write a brief note on Valence bond theory of metals.

19. Explain Briefly about the theories of Acids and Bases with examples.

Or

20. HSAB principle and its importance.

2 MJ 60503

THREE YEAR B.Sc. (CBCS) DEGREE EXAMINATION, APRIL/MAY 2024.

SECOND SEMESTER

Computer Science

PROBLEM SOLVING USING C

(w.e.f. 2023 – 2024 Admitted Batch)

Time : Three hours

Maximum : 70 marks

(No additional sheet will be supplied)

PART A — (5 × 4 = 20 marks)

Answer any FIVE of the following.

1. Explain flowchart with example.
2. What is the characteristic of an algorithm?
3. Explain nested if with examples.
4. What are the unconditional jump statements in C?
5. What are the differences between an array and string?
6. Explain any four-character functions in C.
7. What is function? Explain how the functions are defined and accessed?
8. Write about Scope of Variables
9. What is pointer structure in C?
10. Write a short note on nested structure.

PART B — (5 × 10 = 50 marks)

Answer ALL of the following.

11. Define Data type? Explain different Data types in C language.

Or

12. What is Operator? List out the various types of operators used in C.
13. Distinguish between Do-While and While Loop.

Or

14. What is break statement? Discuss with example. How the break statement is different from continue statement?

15. What is an array? Explain two-dimension array with example.

Or

16. Explain string manipulation library functions with their syntaxes.

17. Define Recursion? How recursion will be implemented? Explain with an example.

Or

18. Explain the Pointers and Arrays with example.

19. Discuss about Dynamic Memory Allocation in details.

Or

20. What is union? Mention its advantages.

2 MJ 60504

FOUR YEAR (Honours) B.Sc. (CBCS) DEGREE EXAMINATION, APRIL/MAY 2024

SECOND SEMESTER

Computer Science

Course IV : DIGITAL LOGIC DESIGN – MAJOR

(w.e.f. 2023-24 Admitted Batch)

Time : Three hours

Maximum : 70 marks

(No additional sheet will be supplied)

SECTION A — (5 × 4 = 20 marks)

Answer any FIVE of the following questions.

Each question carries equal marks.

1. Explain 2's complement method for subtraction.
2. Explain about signed binary number with examples.
3. Explain about NOT, AND, OR gates with truth tables.
4. Design X – OR and X – NOR gates using universal gates.
5. Draw the block diagram of full-subtractor with truth table.
6. Explain the difference between combinational and sequential circuits.
7. Explain the distinguish between Multiplexer and Demultiplexer.
8. Write a short note on classification of sequential circuits.
9. Explain the operation of RS flip flop.
10. Explain the POS and SOP logic functions.

SECTION B — (5 × 10 = 50 marks)

Answer FIVE of the following questions.

Each question carries equal marks.

11. Discuss in detail about Binary, Decimal, Hexadecimal and Octal number systems with examples.

Or

12. Add and subtract in binary

(a) 110110 and 11101 (b) 100100 and 10110 (c) 1101001 and 11011

13. What is K-map? Explain how it help in simplifying a given Boolean expression. Draw k-map for four variables.

Or

14. NAND and NOR gates called as universal gates. Explain.
15. Design full adder and half subtractor by using universal Gates.

Or

16. Explain half adder with truth table. Implement the fill adder using two half adder.
17. Explain the working of Demultiplexer and Decoder circuit diagram.

Or

18. Explain the working of 8 line to 3 line encoder with truth table.
19. What is difference between latch and flip-flop? Explain about clocked RS flip flop using NAND gate.

Or

20. Convert D flip flop into RS flip flop and JK flip flop.

2 MN 60701

THREE YEAR B.A./B.Sc./B.Com. (CBCS) DEGREE EXAMINATION APRIL/MAY 2024.

SECOND SEMESTER

Mathematics (Minor)

Course – III: DIFFERENTIAL EQUATIONS

(w.e.f. 2023-24 admitted batch)

Time : Three hours

Maximum : 70 marks

(No additional sheet will be supplied)

SECTION A — (5 × 4 = 20 marks)

Answer any FIVE of the following questions.

1. Solve $(x + 2y^2) \frac{dy}{dx} = y$.
2. Solve $(1 + xy)x dy + (1 - yx)y dx = 0$.
3. Show that the family of Confocal conics $\frac{x^2}{a^2 + \lambda} + \frac{y^2}{b^2 + \lambda} = 1$ is self orthogonal. Where 'h' being parameter.
4. Solve $(px - y)(py + x) = 2p$.
5. Solve $(D^3 - 5D^2 + 8D - 4)y = e^{2x}$.
6. Solve $(D^3 + 9)y = \cos^3 x$.
7. Solve $(D^2 + D + 1)y = x^3$.
8. Solve $(D^4 - 1)y = e^x \cos x$.
9. Solve $(D^2 + 1)y = \operatorname{cosec} x$ by the method of variation of parameters.
10. Solve $(x^2 D^2 - 2xD - 4)y = x^2$.

SECTION B — (5 × 10 = 50 marks)

Answer ALL questions. Each question carries 10 marks.

11. Solve $\frac{dy}{dx}(x^3 y^3 + xy) = 1$.

Or

12. Solve $(1 + xy)x dy + (1 - xy)y dx = 0$.

13. Solve $y = 2xp + x^2 p^4$.

Or

14. Find the orthogonal trajectories of the family of cardioids $r = a(1 - \cos\theta)$ Where 'a' is the parameter.

15. Solve $(D^2 - 3D + 2)y = \cos 3x \cdot \cos 2x$.

Or

16. Solve $(D^2 + 16)y = e^{-3x} + \cos^4 x$.

17. Solve $\frac{d^2 y}{dx^2} - 7 \frac{dy}{dx} + 6y = e^{2x}(1+x)$.

Or

18. Solve $(D^2 + 2D + 1)y = x \cos x$.

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

Or

20. Solve $(x^2 D^2 + 3xD + 1)y = \frac{1}{(1-x)^2}$.

4 MJ 10111

FOUR YEAR B.A. (Honors) DEGREE EXAMINATION
APRIL/MAY 2025

FOURTH SEMESTER

Economics

Paper XI – INTERNATIONAL ECONOMICS

(w.e.f. 2023-24 Regulations)

Time : Three hours

Maximum : 70 marks

(No additional sheet will be supplied)

PART A — (5 × 4 = 20 marks)

Answer any FIVE questions

1. Differences between free trade and restricted trade.
2. Trade multiplier.
3. Briefly explain Gunnar Myrdal's trade theory.
4. Factor endowments and factor intensities.
5. Devaluation and revaluation.
6. Depreciation and appreciation.
7. Dumping and anti-dumping.
8. Tariffs.
9. Objectives of WTO.
10. Objectives of GATT.

PART B — (5 × 10 = 50 marks)

Answer ALL the following questions.

11. (a) Explain the meaning and Importance of International Economics.
Or
(b) Explain the concepts and types of terms of trade.
12. (a) Explain the comparative advantage theory of International trade.
Or
(b) Explain the absolute advantage theory of International trade.

13. (a) Explain the determination of the exchange rate under purchasing power parity.

Or

(b) What are the components of the Balance of Payments?

14. (a) What are the different International Trade barriers?

Or

(b) Explain the role of the IMF in International trade and finance.

15. (a) Explain India's important Trade agreements.

Or

(b) Explain India's New Foreign Policy.

4 MN 10103

FOUR YEAR B.A. (HONORS) DEGREE EXAMINATION, APRIL/MAY 2025.

FOURTH SEMESTER

Economics

Paper III – INDIA AND AP ECONOMY

(w.e.f. 2023-24)

(Minor)

Time : Three hours

Maximum : 70 marks

(No additional sheet will be supplied)

SECTION A — (5 × 4 = 20 marks)

Answer any FIVE questions.

1. Write some achievements of the Planning Commission?
2. What is NITI Aayog's primary function?
3. Define demographic dividend.
4. Types of poverty.
5. Agricultural Credit.
6. What is the focus of the Make in India initiative?
7. What are the main types of taxes in India?
8. What are the different types of GST?
9. Challenges in industrial Development in A.P.
10. Self Help Groups.

SECTION B — (5 × 10 = 50 marks)

Answer ALL the following questions.

11. (a) What are the basic characteristics of the Indian Economy as a Developing Economy?

Or

- (b) What were the main objectives of the Planning Commission?

12. (a) Mention the present occupational structure in India.

Or

- (b) What are the causes and measures to eradicate Poverty in India?

13. (a) Explain the Agricultural Policy in India.

Or

(b) Explain the Agricultural Sources of Credit

14. (a) Analyse the centre and state financial relations.

Or

(b) Discuss the recommendations of recent finance commission.

15. (a) What are the key features of Andhra Pradesh's Economy?

Or

(b) Explain the Challenges in Agriculture and Rural Development in A.P

4 MJ 20109

FOUR YEAR B.B.A. (CBCS) DEGREE EXAMINATION, APRIL/MAY 2025.

FOURTH SEMESTER

Major

Course 9 – MARKETING MANAGEMENT

(w.e.f 2023-24 Admitted Batch)

Time : Three hours

Maximum : 70 marks

(No additional sheet will be supplied)

PART A — (5 × 4 = 20 marks)

Answer any FIVE of the following.

1. Name the four core concepts of marketing.
2. What is the scope of marketing in modern business?
3. What are the four main bases for market segmentation?
4. What are the key steps in the STP process?
5. Define the term "product" in marketing.
6. What is the product life cycle? List its stages.
7. What is the difference between a pricing policy and a pricing strategy?
8. Name the different types of marketing channels.
9. What is Integrated Marketing Communication (IMC)?
10. Define Public Relations (PR) and state its importance.

PART B — (5 × 10 = 50 marks)

Answer ALL questions.

11. Discuss the core concepts of marketing and their relevance in understanding customer needs.

Or

12. Critically evaluate the importance of the marketing mix in achieving organizational goals.
13. What are the different patterns of targeting? Explain each with examples.

Or

14. Critically evaluate the role of segmentation, targeting, and positioning in building a strong brand identity.

15. Describe the new product development process in detail. What are the key challenges at each stage?

Or

16. Compare and contrast warranties and guarantees. How do they add value to a product?

17. What are the factors influencing pricing decisions? How do they impact the final price of a product?

Or

18. What is the importance of physical distribution in marketing? How does it contribute to customer satisfaction?

19. Discuss the elements of the promotional mix. How do they work together to achieve marketing objectives?

Or

20. What is personal selling? Discuss its advantages and challenges in the promotional mix.

4 MJ 20109

FOUR YEAR B.B.A. (CBCS) DEGREE EXAMINATION, APRIL/MAY 2025.

FOURTH SEMESTER

Major

Course 9 – MARKETING MANAGEMENT

(w.e.f 2023-24 Admitted Batch)

Time : Three hours

Maximum : 70 marks

(No additional sheet will be supplied)

PART A — (5 × 4 = 20 marks)

Answer any FIVE of the following.

1. Name the four core concepts of marketing.
2. What is the scope of marketing in modern business?
3. What are the four main bases for market segmentation?
4. What are the key steps in the STP process?
5. Define the term "product" in marketing.
6. What is the product life cycle? List its stages.
7. What is the difference between a pricing policy and a pricing strategy?
8. Name the different types of marketing channels.
9. What is Integrated Marketing Communication (IMC)?
10. Define Public Relations (PR) and state its importance.

PART B — (5 × 10 = 50 marks)

Answer ALL questions.

11. Discuss the core concepts of marketing and their relevance in understanding customer needs.

Or

12. Critically evaluate the importance of the marketing mix in achieving organizational goals.
13. What are the different patterns of targeting? Explain each with examples.

Or

14. Critically evaluate the role of segmentation, targeting, and positioning in building a strong brand identity.

15. Describe the new product development process in detail. What are the key challenges at each stage?

Or

16. Compare and contrast warranties and guarantees. How do they add value to a product?

17. What are the factors influencing pricing decisions? How do they impact the final price of a product?

Or

18. What is the importance of physical distribution in marketing? How does it contribute to customer satisfaction?

19. Discuss the elements of the promotional mix. How do they work together to achieve marketing objectives?

Or

20. What is personal selling? Discuss its advantages and challenges in the promotional mix.

4 MJ 20110

FOUR YEAR B.B.A. (CBCS) DEGREE EXAMINATION, APRIL/MAY 2025.

FOURTH SEMESTER

Major

Course 10 – HUMAN RESOURCE MANAGEMENT

(w.e.f 2023-24 Admitted Batch)

Time : Three hours

Maximum : 70 marks

(No additional sheet will be supplied)

PART A — (5 × 4 = 20 marks)

Answer any FIVE of the following.

1. What is the nature of HRM?
2. What are the service functions of HRM?
3. Define Human Resource Planning (HRP).
4. Name the stages in the selection process.
5. Define training in the context of HRM.
6. What is the scope of training in an organization?
7. Define performance appraisal.
8. Define compensation management.
9. What are the types of industrial disputes?
10. Define collective bargaining.

PART B — (5 × 10 = 50 marks)

Answer ALL questions.

11. Explain the concept of Human Resource Management (HRM). Discuss its nature, significance, and scope.
- Or
12. Critically evaluate the importance of HRM in enhancing employee productivity and organizational performance.

13. What is job analysis? Discuss its role in recruitment and selection processes.

Or

14. What are the techniques used in the selection process? Discuss their significance in hiring decisions.

15. Explain the off-the-job training techniques. What are their advantages and limitations?

Or

16. Discuss the techniques used for executive development. How do they help in building leadership skills?

17. Discuss the traditional methods of performance appraisal. What are their advantages and limitations?

Or

18. Explain the role of job evaluation in wage fixation. How does it ensure fair compensation practices?

19. Explain the concept of industrial relations. Discuss its significance and objectives.

Or

20. Discuss the types of collective bargaining. How do they differ in their approach and outcomes?

4 MJ 20111

FOUR YEAR B.B.A. (CBCS) DEGREE EXAMINATION, APRIL/MAY 2025.

FOURTH SEMESTER

Major

Course 11 – FINANCIAL MANAGEMENT

(w.e.f. 2023–24 Admitted Batch)

Time : Three hours

Maximum : 70 marks

(No additional sheet will be supplied)

SECTION A — (5 × 4 = 20 marks)

Answer any FIVE of the following.

1. What is the risk-return trade-off?
2. Differentiate between profit and wealth maximization.
3. List traditional capital budgeting techniques.
4. Why is risk analysis important in capital budgeting?
5. Define leverage and its types.
6. Mention the key determinants of capital structure.
7. What are the types of dividend policies?
8. Why are retained earnings important?
9. What factors affect working capital needs?
10. Why is cash management crucial?

SECTION B — (5 × 10 = 50 marks)

Answer ALL questions.

11. Discuss the role of a financial manager in modern business.
Or
12. Explain the functions and significance of financial management.
13. A project requires Rs. 2,00,000 investment and generates Rs. 60,000 annually for five years. Find out payback period.
Or
14. Explain discounted cash flow methods of capital budgeting.

15. Compare Net Income and Net Operating Income approaches to capital structure.

Or

16. Explain the significance of EBIT-EPS analysis.

17. Explain the following concepts:

- (a) Dividend per share
- (b) Return on investment
- (c) Bonus shares and
- (d) Dividend policy

Or

18. Explain Gordon's Model and its assumptions.

19. A company has current assets of Rs. 6,00,000, liabilities of Rs. 3,50,000, and inventory of Rs. 2,00,000. Calculate current and quick ratios.

Or

20. Explain key inventory control techniques.

4 MJ 40110/4 MJ 50110

FOUR YEAR B.C.A. (CBCS) DEGREE EXAMINATION, APRIL/MAY 2025.

FOURTH SEMESTER

B.Com. (General/Computer Application) – Major

Course 10 – COST AND MANAGEMENT ACCOUNTING

(w.e.f. 2023-24 Admitted Batch)

Time : Three hours

Maximum : 70 marks

(No additional sheet will be supplied)

SECTION A — (5 × 4 = 20 marks)

Answer any FIVE of the following.

1. Define Cost Accounting. State the objectives of Costing.
2. Idle time Vs Over time
3. Explain the Objectives of Financial Statement Analysis?
4. Break Even Analysis
5. What are the features of Job Costing?
6. Two Bin Method
7. From the following data Calculate
 - (a) P/V Ratio
 - (b) BEPSales – Rs. 1,70,000
Variable cost - Rs. 90,000
Fixed Cost - Rs. 24,000
8. The output of worker K is 64 units in a 35 hour week and the time rate per hour is Rs. 5. Ordinary piece rate is Rs. 2 per unit. Calculate the earnings of worker K under the Time rate system and piece rate system

SECTION B — (5 × 10 = 50 marks)

Answer ALL questions.

9. Mr. Gajendranath furnishes the following data relating to the manufacture of a product during the month of March 2018.
Material Consumed – Rs.17,000
Direct Wages – Rs.9,000
Machine Hours Worked – Rs.900
Machine Hour rate – Rs. 5
Administrative Overheads - 15% on works cost

Selling Overheads – Rs. 0.50 per unit

Units Produced – Rs.17500

Units Sold – Rs.16,000 @ Rs.4 per unit

You are required to prepare a cost sheet and find

- (a) Cost of Production
- (b) Profit per Unit Sold and Profit for the period.

Or

10. Explain the differences between cost accounting and Management accounting.

11. Prepare Stores Ledger from the following data under Weighted Average Method.

| | | |
|----------|----|--|
| 2017 Jan | 1 | Opening Stock – Rs. 1000 Units @ Rs. 30 per unit |
| | 4 | Purchase 2,400 units @ Rs.32 per unit |
| | 7 | Issue 2,000 units |
| | 10 | Purchase 1,200 units @ Rs.33 per unit |
| | 14 | Issue 1,000 units |
| | 20 | Purchase 1,600 units @ Rs. 36 per unit |
| | 24 | Issue 1,200 units |
| | 25 | Returned from Workshop 40 units |
| | 28 | Purchase 800 units @ Rs. 35 per unit |
| | 30 | Issue 750 units |

Or

12. Explain the Material Issue Pricing Methods?

13. What is Job Costing? Explain the advantages and Disadvantages of Job Costing?

Or

14. Following particulars related to Job No:123

Material Consumed Rs.900

Direct Wages:

X-10 hours @ Rs. 30 per hour

Y-8 hours @ Rs. 40 per hour

Z-5 hours @ Rs. 50 per hour

Variable Overheads:

X-Rs.6,000 for 6000 labour hours

Y-Rs. 4,000 for 2000 labour hours

Z-Rs. 9,000 for 3000 labour hours

Fixed Overheads estimated @ Rs.48,000 for 8,000 normal working hours.

You are required to calculate the cost of Job No.123 and calculate the price to give the profit of 20% on selling price.

15. Explain the Different Tools and Techniques used in Financial Statement analysis.

Or

16. Following are the balance sheets of Chandrika Ltd. as on 31st March 2018 and 2019. You are required to prepare comparative balance sheet.

| Liabilities | 2018 in Rs. | 2019 in Rs. | Assets | 2018 in Rs. | 2019 in Rs. |
|------------------------|-------------|-------------|----------------|-------------|-------------|
| Equity share capital | 8,00,000 | 10,00,000 | Fixed Assets | 13,00,000 | 16,10,000 |
| Reserves and Surpluses | 1,10,000 | 2,20,000 | Current Assets | 5,90,000 | 7,40,000 |
| Secured Loans | 5,50,000 | 4,00,000 | | | |
| Unsecured Loans | 50,000 | 1,50,000 | | | |
| Current Liabilities | 3,80,000 | 5,80,000 | | | |
| | 18,90,000 | 23,50,000 | | 18,90,000 | 23,50,000 |

17. The Sales turnover and Profit during last two years were as follows.

| Year | Sales in Rs. | Profit in Rs. |
|------|--------------|---------------|
| 2015 | 1,50,000 | 20,000 |
| 2016 | 1,70,000 | 25,000 |

You are required to calculate:

- P/V Ratio
- BEP Sales
- Profit when sales are Rs. 1,50,000
- Required sales to earn a profit of Rs. 50,000

Or

18. Define Marginal Costing? Explain the advantages of Marginal Costing.

4 MJ 50111

FOUR YEAR B.Com. (CBCS) DEGREE EXAMINATION, APRIL/MAY 2025.

FOURTH SEMESTER

Computer Application – Major

COURSE 11 – DATABASE MANAGEMENT SYSTEM WITH ORACLE

(w.e.f 2023-24 Admitted Batch)

Time : Three hours

Maximum : 70 marks

(No additional sheet will be supplied)

PART A — (5 × 4 = 20 marks)

Answer any FIVE of the following.

1. What is a Database Management System (DBMS), and what is its purpose?
2. Define the following: (a) Attribute (b) Tuple (c) Relation (d) Domain.
3. Explain the concept of Generalization using ER diagram.
4. Explain TCL commands.
5. Explain the structure of a PL/SQL block.
6. What is a data model, and why is it important in database design?
7. What are integrity constraints?
8. Explain DDL operations.
9. Write a SQL query to retrieve all columns from a table called employees.
10. Explain the difference between a predefined exception and a user-defined exception in PL/SQL.

PART B — (5 × 10 = 50 marks)

Answer ONE questions from each unit.

11. Explain three tier schema architecture for data independence.
Or
12. Explain types of database users. Mention some of the advantages of database systems.
13. Explain Relational algebra operations in brief with examples.
Or
14. What are super key and candidate key? Explain briefly with example.

15. What are aggregate functions in SQL? List them and briefly describe their purpose.

Or

16. What is ORDER BY and GROUP BY clauses in SQL? Explain briefly.

17. Explain types of joins in SQL with example.

Or

18. What is a view in SQL? Explain its purpose with example.

19. What is a PL/SQL procedure? Explain its structure and provide an example of a simple procedure.

Or

20. What is a cursor in PL/SQL? Explain the difference between implicit and explicit cursors in PL/SQL.

4 MN 50103

FOUR YEAR B.Com./B.B.A./B.C.A. (CBCS) DEGREE EXAMINATION, APRIL/MAY 2025.

FOURTH SEMESTER

Taxation – Minor

Course 3 – CORPORATE TAXATION

(w.e.f. 2023-24 Admitted Batch)

Time : Three hours

Maximum : 70 marks

(No additional sheet will be supplied)

PART A — (5 × 4 = 20 marks)

Answer any FIVE of the following.

1. Define a company in taxation.
2. What is the role of residential status in taxation?
3. Explain tax provisions for business income.
4. What are the tax implications of capital gains?
5. How is gross total income computed?
6. Explain carry-forward and set-off of losses.
7. What is the process for filing tax returns?
8. Why is e-filing important?
9. What are the duties of tax authorities?
10. Explain tax penalties and offences.

PART B — (5 × 10 = 50 marks)

Answer ALL questions.

11. Discuss the incidence of tax on a company with examples.

Or

12. Find residential status of a company in the above situations.
 - (a) A company is incorporated in India but has head office in Dacca.
 - (b) A company is incorporated in Bangladesh, but has head office in Kolkata.

13. A company earns Rs. 10 crore from business operations and Rs. 2 crore from capital gains. Compute its total tax liability for AY 2023-24.

Or

14. Discuss the taxation policies for offshore and special tax zones.

15. Explain the different types of deductions allowed in company taxation.

Or

16. Compute tax payable by a company for the Assessment Year 2023-24, if its total income is Rs. 4,00,000 and book profit is Rs. 18,50,000.

17. Explain the assessment and reassessment process in corporate taxation.

Or

18. Describe the special procedure for search case assessments.

19. Discuss the process of tax collection at source and its significance.

Or

20. Explain the provisions for tax recovery and refunds in corporate taxation.