

FOUR YEAR B.Com.HONOURS (General / Computer Application) /

**B.B.A. (General / Digital Management) DEGREE EXAMINATION,
APRIL/MAY - 2026**

CHOICE BASED CREDIT SYSTEM

FOURTH SEMESTER - MINOR

PART - II : COMPUTER APPLICATION

PAPER - 11 : DATABASE MANAGEMENT SYSTEM WITH ORACLE

(Under CBCS New Regulation w.e.f the academic year 2024-25)

Time : 3 Hours

Max. Marks : 75

SECTION - A

(Short Questions)

Answer any Five of the following questions. Each question carries equal marks.

(5×3=15)

1. What is meant by database applications?

2. Define data independence.

3. Explain relationship degree.

4. What is a surrogate key? .

5. Define 3NF.

6. What is meant by SQL grouping?

7. Explain SQL join operation.

8. What are SQL conversion functions?

9. Define PL/SQL operators.

10. What is meant by database triggers?

SECTION - B

Answer any Five of the following questions. Each question carries equal marks.

(5×12=60)

UNIT - I

11. a) Discuss database system environment and its components.
(OR)
b) Explain centralized vs client-server architecture for DBMS.

UNIT - II

12. a) Write an essay on relational constraints and their importance.
(OR)
b) Discuss normalization and functional dependencies with examples.

UNIT - III

13. a) Explain SQL DDL operations(create, alter, drop, rename).
(OR)
b) Discuss SQL DML operations (insert, delete, update)

UNIT - IV

14. a) Write an essay on nested queries and subqueries in SQL
(OR)
b) Discuss SQL functions and their applications

UNIT - V

15. a) Explain PL/SQL cursors and their usage
(OR)
b) Discuss PL/SQL triggers and their types

FOUR YEAR B.A./B.Com./B.Sc./B.C.A./B.B.A./B.Music/B.Dance/B.A.(O.L)/B.H.M/

B.VOCATIONAL IN DAIRYING AND ANIMAL HUSBANDRY/

B.VOCATIONAL IN HORTICULTURE (ALL GROUPS) DEGREE

EXAMINATION, APRIL/MAY - 2026

CHOICE BASED CREDIT SYSTEM

FOURTH SEMESTER

PART - I(C) : LIFE SKILL COURSE

PAPER - III : CYBER SECURITY

(Under CBCS New Regulation w.e.f. the academic year 2024-25)

Time : 1½ Hours

Max. Marks : 50

Answer any Five questions. Each question carries equal marks. (Essay questions).

(5×10=50)

1. Discuss the definition of cybercrime and explain its origins.
2. Explain the classifications of cybercrimes with suitable examples.
3. Write an essay on cybercrime and the Indian IT Act 2000.
4. Discuss the global perspective on cybercrimes and their impact on society.
5. Explain credit card frauds in the mobile and wireless computing era.
6. Write an essay on organizational measures for handling mobile device security issues.
7. Discuss the role of organizational security policies in mobile computing.
8. Explain password cracking techniques and their implications in cybercrime.
9. Write an essay on phishing attacks and preventive measures.
10. Discuss identity theft and its impact on individuals and organizations.

FOUR YEAR HONOURS DEGREE EXAMINATION, APRIL/MAY - 2026

FOURTH SEMESTER

PART - MULTIDISCIPLINARY COURSES

PAPER - INTRODUCTION TO NANOTECHNOLOGY

Time : 1½ Hours

Max. Marks : 50

Answer any Five of the following questions

(5×10=50)

1. Define nanotechnology. Discuss its scope and interdisciplinary nature.
 2. Explain the historical development and key milestones in nanotechnology.
 3. Describe nanoscale science and explain quantum effects and surface-to volume ratio.
 4. Explain different types of nanomaterials with suitable examples.
 5. Describe top-down fabrication techniques such as lithography and etching.
 6. Explain bottom-up fabrication methods including self-assembly and molecular nanotechnology.
 7. Discuss environmental and health impacts of nanotechnology.
 8. Explain ethical considerations and societal implications of nanotechnology.
 9. Describe regulatory frameworks and safety standards in nanotechnology.
 10. Discuss applications of nanotechnology in medicine, electronics, and energy sectors.
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FOUR YEAR (HONOURS) B.B.A. (General) / B.Com. (General/Computer Application) DEGREE EXAMINATION, APRIL/MAY - 2026

CHOICE BASED CREDIT SYSTEM

FOURTH SEMESTER - MAJOR

PART - II : BUSINESS MANAGEMENT

PAPER-11 : FINANCIAL MANAGEMENT

(Under CBCS New Regulations w.e.f. the Academic year 2023-24)

Time : 3 Hours

Max. Marks : 75

SECTION - A

Answer any Five of the following questions. Each question carries 3 marks.

(5×3=15)

~~1.~~ Finance meaning.

~~2.~~ Financial Manager.

3. Payback period.

4. EBIT.

~~5.~~ Leverage.

6. Cost of debt.

~~7.~~ Stock dividend

~~8.~~ Gordon model.

9. Working capital

10. Inventory

SECTION - B

Answer any Five of the following questions. Each question carries 12 marks.

(5×12=60)

11. What is profit maximization? Explain.

~~12.~~ Explain the functions of financial management.

~~13.~~ What is capital Budgeting? What are points to be considered for long term decisions?

~~14.~~ What is NPV explain steps and advantages.

15. What is capital structure, what are the determinants of capital structure?

16. What is Net income approach explain.

~~17.~~ Explain briefly dividend policies.

18. The book value per share of company is Rs. 145.50 and its rate of Return on equity is 10%. the company follows a dividend policy of 60% payout. What is the price of its share if capitalisation rate is 12%?

~~19.~~ What is working capital Explain sources of working capital.

~~20.~~ Explain inventory control techniques.

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5-4-101A-R23

FOUR YEAR B.B.A. HONOURS (GENERAL) DEGREE**EXAMINATION, APRIL/MAY - 2026****CHOICE BASED CREDIT SYSTEM****FOURTH SEMESTER - MAJOR****PART - II****PAPER-9 : MARKETING MANAGEMENT***(Under CBCS New Regulations w.e.f. the Academic year 2024-25)***Time : 3 Hours****Max. Marks : 75****SECTION - A****Answer any Five of the following questions. Each question carries 3 marks.****(5×3=15)**

1. Concept of Marketing
2. Marketing Mix
3. Need for Market Segmentation
4. Competitive Advantage
5. Meaning of Industrial Goods.
6. Product Life cycle.
7. Functions of Wholesaler.
8. Types of Pricing strategy.
9. Need for Personal selling
10. Concept of Publicity

SECTION - B

Answer any Five of the following questions. Each question carries 12 marks.

(5×12=60)

11. Define 'Marketing'. Examine the Importance and scope of Marketing.
 12. Explain about Company's Orientations towards Marketing.
 13. Outline the need and importance of Positioning strategies.
 14. Discuss about various levels of Market Segmentation.
 15. Evaluate the need and importance of Warranties and Guarantees.
 16. What are the objectives of Branding of Products?
 17. Outline the factors which are influencing pricing Decisions.
 18. Describe about different kinds of Marketing Channels.
 19. What is meant by promotional Mix? Discuss about various elements of promotional mix.
 20. What are the different tools available for Sales promotion?
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5-4-101B-R23

**FOUR YEAR B.B.A. (HONOURS) (GENERAL) /B.Com.
(GENERAL/COMPUTER APPLICATION) DEGREE EXAMINATION,
APRIL/MAY - 2026**

CHOICE BASED CREDIT SYSTEM**FOURTH SEMESTER - MAJOR****PART - II : BUSINESS MANAGEMENT****PAPER-10 : HUMAN RESOURCE MANAGEMENT***(Under CBCS New Regulations w.e.f. the Academic year 2023-24)***Time : 3 Hours****Max. Marks : 75****SECTION - A****Answer any Five of the following questions. Each question carries 3 marks.****(5×3=15)**

1. Scope of HRM.
2. Importance of HRM.
3. Job Analysis.
4. Psychological Tests.
5. Lecture method.
6. Training Manager.
7. Need for performance appraisal.
8. Potential appraisal.
9. Adjudication.
10. Reasons for industrial disputes.

SECTION - B

Answer any Five of the following questions. Each question carries 12 marks.

(5×12=60)

11. What do you understand by the concept of HRM? What are the functions of HRM?
 12. Critically examine the Role of HR manager in a large scale organisation.
 13. What is meant by HRP? What are the objectives of HRP?
 14. Evaluate the different phases involved in the selection of employees.
 15. Outline the advantages and disadvantages of on the job training.
 16. What is the significance of conducting executive development programmes.
 17. Write in detail about any one of the methods of performance appraisal.
 18. Evaluate the process involved in the process of performance appraisal.
 19. Define 'Industrial Relations'. What are the objectives of sound industrial relations?
 20. Briefly write about the process of collective bargaining.
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FOUR YEAR B.Com. (Computer Application) (HONOURS) DEGREE

EXAMINATION, APRIL/MAY - 2026

CHOICE BASED CREDIT SYSTEM

FOURTH SEMESTER - MINOR

PART - II

PAPER - 11 : Programming with C

(Under CBCS New Regulation w.e.f. the academic year 2024-25)

Time : 3 Hours

Max. Marks : 75

SECTION - A

(Short Questions)

Answer any Five of the following questions. Each question carries 3 marks.(5×3=15)

- ~~1.~~ Write the structure of a simple C program.
- ~~2.~~ What are tokens in C?
3. Define variables and give examples.
- ~~4.~~ Explain the use of switch statement.
- ~~5.~~ What is meant by break and continue statements?
6. Define array notation with an example.
7. What is meant by pointer arithmetic?
8. Define nested structures.
9. What is meant by call by reference?
- ~~10.~~ Write any two string handling functions in C.

SECTION - B
(Essay Questions)

Answer any Five of the following questions. Each question carries 12 marks.

(5×12=60)

UNIT - I

- ~~11.~~ a) Discuss the history of C language and its features.

(OR)

- b) Explain C data types and operators with examples.

UNIT - II

- ~~12.~~ a) Write an essay on conditional statements in C with examples.

(OR)

- ~~b)~~ Discuss looping statements in C with examples of while, do-while, and for loops.

UNIT - III

- ~~13.~~ a) Explain arrays in C with declaration, initialization, and operations.

(OR)

- ~~b)~~ Discuss pointers in C and their role in memory management.

UNIT - IV

- ~~14.~~ a) Write an essay on structures and unions in C with examples.

(OR)

- b) Explain enumerated data types and their usage in C programs.

UNIT - V

- ~~15.~~ a) Discuss functions in C including recursion, call by value, and call by reference.

(OR)

- ~~b)~~ Write an essay on string handling functions in C with examples.