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(21225) Roll No

B.C.A.-V Sem.

18021

B.C.A. Examination, Dec.-2025

Introduction to DBMS

(BCA-501)

Time : Three Hours] *[Maximum Marks : 75*

Note : Attempt questions from **all** sections as per instructions system? Explain.

Section - A

Note : Attempt **all** the questions. 3×5=15

1. What do you mean by DBA? What are the role of DBA? Write only the names?
2. Explain Hashing in brief.
3. What do you mean by Entity?
4. What is Generalization? Explain with suitable example.

P.T.O.

5. What do you mean by Data inconsistancy in file management system? Explain.

Section-B

Note : Attempt any **two** questions. 7.5×2=15

6. Explain ER Diagram. Explain about all symbols of ER diagram.
7. What are the attributes? Discuss about all types of attributes with suitable examples.
8. Explain specialization and generalization concepts in ER diagram with suitable examples.

Section-C

Note : Attempt any **three** questions. 15×3=45

9. Explain the ACID property of a transaction in DBMS and the usefulness of each with suitable example.

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10. What do you mean by ER diagrams? Draw a neat ER diagram for hospital management system with entity relationship functionalities.

11. What are the differences between file management system and DBMS? Also explain the components of database system.

12. Describe the classification of database language. Which type of language is SQL?

13. Write short note on:

    (a) Data independence

    (b) Database schema

    (c) Functional dependency

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