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(Printed Pages 4)

(21223)

Roll No. _____

B.C.A.-V Sem.

18021

B.C.A. Examination, Dec.-2023

Introduction to DBMS

(BCA-501)

Time : Three Hours]

[Maximum Marks : 75

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

Section-A

(Very Short Answer Type Questions)

Note : Attempt **all** questions. Each question carries **3** marks. Very short answer is required not exceeding 75 words.

3×5=15

1. Define data base management system?

2. List any five application of D.B.M.S.
3. What are the disadvantages of file processing system?
4. Define Data model?
5. What are attributes? Give examples.

Section-B

(Short Answer Type Questions)

Note : Attempt any **two** questions out of the following three questions. Each question carries 7.5 marks. Short answer is required not exceeding 200 words. 2×7.5=15

6. Compare generalization, specialization with example.
7. Explain the primary key, super key & foreign key.
8. What is normalization?

Section-C

(Long Answer Type Questions)

Note : Attempt any **three** questions out of the following five questions. Each question carries 15 marks. Answer is required in detail. $3 \times 15 = 45$

9. Draw an ER diagram for a small marketing company data-base, assuming your own data requirements.
10. Describe the classification of database language. Which type of language is SQL?
11. Explain the following :
 - (i) DDL Command
 - (ii) DML Command
12. Explain data independence with its types.

13. Who are data administrators? What are the functions of database administrator?