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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?

**P.T.O.**

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.  $2 \times 7.5 = 15$

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

18021/2

### 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.

18021/3

P.T.O.

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