

A

Printed Pages : 3

(21119)

Roll No.

B.C.A.-V Sem.

18021

B.C.A. Examination, November-2019

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 Questions)

Note : Attempt all the five questions. Each question carries 3 marks. Very short answer is required not exceeding 75 words. $5 \times 3 = 15$

1. What do you mean by D.B.M.S. ?
2. Give example of a simple composite attributes of an entity.
3. What do you mean by referential integrity ?
4. What do you mean by DML and DDL ?

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[P.T.O.]

(2)

5. Distinguish between functional dependency and multivalued dependency.

Section-B

(Short Answer Questions)

Note : Answer any two questions out of the following three questions. Each question carries $7\frac{1}{2}$ marks. Short answer is required. $2 \times 7\frac{1}{2} = 15$

6. What are the various anomalies associated with RDBMS.
7. What is union compatibility ? Explain.
8. What are the pit falls of lock based protocol ?

Section-C

(Detailed Answer Questions)

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

9. Define the normal forms. Explain the BCNF in detail.
10. Explain the superkey, primary key and candidate key with example in detail.

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11. What are the various characteristics of SQL ? Discuss five aggregate functions with suitable examples.
12. Discuss the selection, projection and join operator of relational algebra with suitable example.
13. What do you mean by Query and sub-query ? Discuss cursor in SQL also.

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