

D

(Printed Pages 3)

(20221)

Roll No.

BCA-V Sem.

18021

B.C.A. Examination, Dec.-2020

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 : Answer all the **five** questions. Each question carries 3 marks. Very short answer is required. $3 \times 5 = 15$

1. What are the advantages of file processing system which were removed by DBMS?

P.T.O.

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?
5. What are anomalies in 1NF?

Section - B

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

6. What do you mean by a key to relation? Explain the difference between super key, candidate key and primary key.
7. Define functional dependency. What do mean by loss-less decomposition?
8. Define Normal forms. List the definition of first, second and third normal forms.

18021/2

Section - C

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

9. What is transactions? Draw a state diagram of transactions showing its states.
10. Explain ACID properties of a transaction with suitable example.
11. What are schedules? What are difference between conflict serializability and view serializability? <https://www.ccsustudy.com>
12. What are distributed database?
13. Describe the major problem associated with concurrent processing with example.