

Roll No.

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BBA (Sem. -.4th)

INTRODUCTION TO DATA BASE MANAGEMENT SYSTEMS

SUBJECT CODE : BB - 406

Paper ID : [C0223]

[Note : Please fill subject code and paper ID on OMR]

Time : 03 Hours

Maximum Marks : 60

Instruction to Candidates:

- 1) Section - A is **Compulsory**.
- 2) Attempt any **Four** questions from Section - B.

Section - A

Q1)

(10 × 2 = 20)

- a) Define candidate and alternate keys. What are its uses?
- b) What is relationship between entity and attribute? Explain with example.
- c) Define cardinality and degree of relation.
- d) What is role of relational keys in relational database? What are its different types?
- e) Why concurrency control is needed? Explain.
- f) What is lost update problem?
- g) What is table? How it is different from relation.
- h) Explain how query is created in MS Access? Explain its use.
- i) What is difference between delete and drop statement of SQL.
- j) What are various techniques of database recovery?

Section - B

(4 × 10 = 40)

- Q2) What is need of DBMS? Explain various advantages and disadvantages of DBMS.
- Q3) What is normalization? What are its goals? Explain how first and second normal form makes data consistent.
- Q4) a) Define SQL? Explain various features of DDL, DML and DCL. Also tell which of these statements can never be rolled back.
- b) What is view? Explain various advantages of view.
- Q5) What is MS Access? Explain its features. Explain how you will create table and database in MS Access.
- Q6) What are physical and object data model? Explain how relational model is different from hierarchical and network model.
- Q7) Write a note on:
- a) Explain different methods to secure data in database.
- b) What is grant and revoke statement. Explain their purpose.

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