

Roll No.

Total No. of Questions : 07]

[Total No. of Pages : 02

BBA (Sem. - 4th)

INTRODUCTION TO DATABASE 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) What is data? Explain the need of data in an organization.
- b) What is entity and attribute? Explain with an example.
- c) Define Data independence.
- d) What is SQL? Write the syntax for creating a table in SQL.
- e) What is use of query in MS Access?
- f) What is role of form in database management?
- g) What is log based recovery?
- h) What are integrity constraints? Explain.
- i) What are weak entities? How is it different from strong entities?
- j) Who is DBA? Explain his role in database management.

J-219

P.T.O.

Section - B

(4 × 10 = 40)

- Q2)** What is DBMS? What are its advantages and disadvantages? Explain three level architecture of DBMS.
- Q3)** What are data models? Compare and contrast hierarchical, network and relational data models.
- Q4)** Define DDL, DML and DCL. Explain how view is created and destroyed.
- Q5)** What are anomalies in database? How normalization removes the anomalies? Explain First and Second normal form by taking suitable example.
- Q6)** What are various threats to data security? Explain how data can be protected? Also discuss the use of biometrics in data security.
- Q7)** What is role of MS Access in database development? Explain the various components of MS Access.

