

Roll No.....

Total No. of Printed Pages: 1

Total No. of Questions: [11]

MCA (Semester – 1st)
RELATIONAL DATABASE MANAGEMENT SYSTEM
Subject Code: MCAPS1102
Paper ID: [20270102]

Time: 03 Hours

Maximum Marks: 60

Instruction for candidates:

1. Section A is compulsory. It carries 16 marks. It consists of 4 questions of 4 marks each.
2. Section B consist of 4 questions of 8 marks each. The student has to attempt any 3 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A

(4 marks each)

- Q1. (a) Compare the feature of 1st and 2nd Normal form.
(b) How Network model is implemented? Explain briefly.
- Q2. Discuss the concept of Equi Join in detail.
- Q3. What is the role of DDL? Explain its features.
- Q4. Describe the user defined exceptions with an example.

Section – B

(8 marks each)

- Q5. Discuss the features and concept of Hierarchical model with an example.
- Q6. What are the various advantages and disadvantages of Group functions? Describe.
- Q7. (a) How Grant command is employed? Explain.
(b) How ROLLBACK command is useful? Explain.
- Q8. Illustrate the use of following concepts:
(a) Cursors in SQL
(b) Stored procedures

Section – C

(10 marks each)

- Q9. Explain different types of Codd's rule for RDBMS data models.
- Q10. (a) Elaborate the concept of database privileges.
(b) What is trigger? Write its different applications.
- Q11. Explain the role of the following concepts:
a Cartesian Join
b BCNF