Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐☐ Total No. of Pages : 02

Total No. of Questions : 18

BMCI (2014 & Onwards) (Sem.–3)
RELATIONAL DATABASE MANAGEMENT SYSTEM
Subject Code : BMCI-301
M.Code : 72582

Time : 3 Hrs. Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :
1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

Write briefly :

1. What is Attribute and key?

2. What is importance of ERD?

3. What is OLAP?

4. What are different security threats?

5. Difference between primary and super key.

6. What do you mean by authentication and authorization?

7. What do you mean by join dependency?

8. What is forth normal form?

9. What is client /server architecture?

10. What is database integrity?

SECTION-B

11. What are the various advantages of database over the file system?

12. What is ER model? Explain the ER diagram with example.

13. What are the properties and importance of DSS database?

14. Explain three types of normalization in RDBMS with help of an example.

15. What are the differences between Object Oriented DB and Object Relational DB?

SECTION-C

16. What is DDBMS? Explain structure and components of distributed database.

17. Explain : SPSD, MPSD, and MPMD.

18. What is relational algebra? Explain different types of JOIN operations.

NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.