

No. of Printed Pages : 03

Roll No.

D-212

B.C. A. EXAMINATION, May 2017

(Fourth Semester)

(B. Scheme) (Main & Re-appear)

(BCA)

BCA-204-B

RELATIONAL DATABASE MANAGEMENT
SYSTEMS

Time : 3 Hours]

[Maximum Marks : 75

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

(3-29/23)M-D-212

P.T.O.

Unit I

1. Explain different views of data. Also discuss different Codd rules for relational model. **15**
2. Explain the following in relation to database models with appropriate example : **15**
 - (a) Network Model
 - (b) Client Server Architecture
 - (c) Relational Model.

Unit II

3. Explain different relational algebra operations along with their equivalent command in SQL. **15**
4. Differentiate between tuple relational calculus and domain relational calculus. Take appropriate example. **15**

Unit III

5. Explain database design (with stepwise normalization) by taking example of student admission system. **15**

6. Explain different functional dependencies and transitive dependencies in database design. Explain with example. **15**

Unit IV

7. Explain different character set and data types of PL/SQL. **15**
8. Write short notes on the following : **15**
 - (a) Cursor
 - (b) Triggers.