

Roll No.

(04/17-I)

5256

B.A./B.Sc. EXAMINATION

(Sixth Semester)

COMPUTER SCIENCE

Paper V

Relational Database Management System

Time : Three Hours Maximum Marks : $\begin{cases} \text{B.Sc. : 30} \\ \text{B.A. : 20} \end{cases}$

Note : Attempt *Five* questions in all. Q. No. 1 is compulsory consists of six short answer type questions. B. Sc. students have to attempt all the six questions and B.A. students have to attempt any *four* out of six short answer type questions. Then four questions one from each Unit. All the five questions carry equal marks (6 marks each for B.Sc. and 4 marks each for B.A.)

(2-21/4) B-5256

P.T.O.

Short Answer Type Question

1. (a) What is Entity Integrity rule in Relational Model ? 1(1)
- (b) Define Relational Calculus. 1(1)
- (c) What do you mean by full functional dependency ? 1(1)
- (d) Give the significance of foreign key in relational schema. 1(1)
- (e) How a view is created in SQL ? 1(1)
- (f) What is PL/SQL ? 1(1)

Unit I

2. Compare domain relational calculus and tuple relational calculus. Also give the form of expression in both. 6(4)
3. Discuss join operation and its variants in detail. 6(4)

Unit II

4. Explain INF with the help of suitable example.
6(4)
5. Describe various anomalies which can occur in a relational schema.
6(4)

Unit III

6. How and which constraints are specified in SQL ?
6(4)
7. Write a SQL query for creating a student table for following details :
6(4)

Column Name	Data Type	Size	Constraint
Roll No.	Number	8	Primary Key
SName	Var Char2	20	
Father Name	Var Char2	20	
DOB		Date	
Sex	Char	7	
Dept.	Var Char 2	16	
Class	Var Char 2	10	

Also insert data in table and display whole data by commands.

Unit IV

8. Specify the types of parameters used in procedures of PL/SQL. 6(4)
9. What do you mean by triggers also write down their advantages ? 6(4)