

COMPUTER APPLICATION

Paper : Second

(Relational Database Management System)

Note : Attempt any Five questions. All questions carry equal marks.

1. Write short notes on the following:
 - (i) Strong and weak entity
 - (ii) Generalization
 - (iii) Specialization
 - (iv) Aggregation
 - (v) Relationship
2. What are normal forms? Explain types of normal forms.
3. If there is a table contains following columns emp_no, name, joining-date, salary, department then write the SQL query for the following :
 - (i) Write a SQL query to find the name of all employees who work in science department.
 - (ii) Write a SQL query to find the average salary of all employees departmentwise.
 - (iii) Write a SQL query to find the name of all employees whose salary is less than Rs. 5,000.
 - (iv) Write a SQL query to find the maximum salary.
 - (v) Write a SQL query to find the name of employee who have joined after October 2012.
4. What are views? Write SQL queries for creating, dropping and retrieving data from views. **onlineBU.com**
5. Explain a grant and revoke command with examples.
6. What is RDBMS. Why it is better than file system?
7. What is decomposition in RDBMS? Explain good and bad decomposition.
8. What are triggers in PL/SQL? Explain with suitable examples.