

Navrachana University
School of Business and Law
End -Semester Examination May 2017
FYBCA (SEM-II)
CA102: Introduction to Database Management System

Date: 09/05/2017

Time: 10:30 AM to 12:30 PM

Total Marks: 40

Instructions:

- Write each answer on a new page.
- Draw Diagram whenever necessary.

Q. 1. Define Following Terms with Example (attempt any 5).

[5X2=10]

- | | |
|--------------------|--------------------------|
| 1. Primary Key | 2. Derived attributes |
| 3. Database | 4. Char string data Type |
| 5. Sql Simple join | 6. Or () operator |

Q.2. Answer the following Question (attempt any 3).

[3X5=15]

1. Explain in detail Record based Data Models with example.
2. Draw the diagram of "States of transaction Process" and label it.
3. Explain in detail any Five Disadvantages of A traditional file system.
4. Explain Two-tier architecture of DBMS in detail with real life Example.

Q. 3. Draw ER Diagram & show relationship between entities for Employee Information System.

[1X5=05]

A company database needs to store information about employees (identified by ssn, with salary and phone as attributes), departments (identified by dno, with dname and budget as attributes), and children of employees (with name and age as attributes). Employees work in departments; each department is managed by an employee; a child must be identified uniquely by name when the parent (who is an employee; assume that only one parent works for the company) is known. We are not interested in information about a child once the parent leaves the company.

Q.4. What is MYSQL Functions? What are different types of MYSQL Functions? Explain in Detail with Example.

[1X10= 10]

-----End of Question Paper-----