BCSL-034 - Set - 2

BACHELOR OF COMPUTER APPLICATIONS (BCA)
(Revised)

Term-End Examination   00278

June, 2016

BCSL-034 - Set - 2 : DATABASE MANAGEMENT SYSTEMS LAB

Time : 1 hour   *Maximum Marks : 50*

Note : (i) *There are 2 questions in this paper carrying 20 marks each.*

(ii) *Answer them both.*

(iii) *10 marks are for viva-voce.*

1.   Create the database for the given schema below :   **20**

    ENROLL (S#, C#, Section)

    TEACH (Prof, C#, Section)

    ADVISE (Prof, S#)

    PRE_REQ (C#, Pre_C#)

    GRADES (S#, C#, Grade, Year)

    STUDENT (S#, Sname)

    S# is student number, C# is course number, Prof in this is advisor of S#, Pre_C# is prerequisite course, Sname is student name. Input 10 meaningful records.

2.   For the above database given in Q1, answer the following queries using SQL :   **5x4=20**

    (a) List all the students taking courses with Prof Rahul.

    (b) List all the students taking at least one course that their Advisor (Prof) teaches.

    (c) List all the courses offered by Prof. Mathews

    (d) List all the professors and their courses.

    (e) List the Grades of all students with course number "123" for the year 2016.