SET - 1

BACHELOR IN INFORMATION TECHNOLOGY (BIT)

Term-End Practical Examination

00031

June, 2010

CSI-20P : DATABASE MANAGEMENT SYSTEMS

Time allowed : 1 hour

Maximum Marks : 30
(Weightage : 15%)

Note :   There is **one compulsory** question in this paper carrying **20** marks. Rest **10** marks are for the *viva-voce*.

1.   Consider the following schema :

     Programme (p_code, p_name, p_duration, p_fee)

     Course (c_code, c_name, credits)

     Programme Course (p_code, c_code)

     A programme consists of several courses. A course may be a part of more than one programme. Perform the following activities for the relations given above :

     (a)   Identify the key for each table. Create the tables for the given schema specifying keys, data types and constraints (including referential integrity constraints). Enter about 5-6 sets of meaningful data in each of the table.   **8**

     (b)   Run the following queries using SQL :   **12**

         (i)   List all the details of the programme whose name (p_name) is "Master of Computer Application". (The list should include the course names of the courses of this programme).

         (ii)   List the course code (c_code) of the courses that are part of more than one programme.

         (iii)   Find the total number of credits for programme whose code (p_code) is "BIT".

         (iv)   List the p_code, p_name, p_duration and p_fee of all the programmes. This list should be in decreasing order of programme fee (p_fee)

         Make suitable assumptions, if any.