SET - 2

BACHELOR IN INFORMATION TECHNOLOGY (BIT)

Term-End Practical Examination 00371

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. **10** marks are for the **viva-voce**.*

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1.   Consider the following schema :

Student (stid, s_name, programme, phone)

Assignment (a_code, a_course, max_marks)

St_Assign (stid, a_code, marks)

A student can submit one assignment only once, however, a student may submit many assignments. A course has only one assignment. Perform the following activities for the schema given above.

(a)   Identify the key of each table. Create the tables specifying the keys, data types   **8**
      and constraints (including referential integrity constraints). Insert 5–6 sets of
      meaningful data in each of the table.

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

      (i)   List the result of student that is list the stid, s_name, a_code, marks,
             max_marks for the student whose stid is "001".

      (ii)   Write a query that checks the validity of marks obtained, by checking if the
             marks obtained by a student is less than the max_marks for that assignment.

      (iii) List the student stid, s_name and phone in the alphabetical order of names.

      (iv)   Find the total marks of the student whose stid is "002" in all the assignments
             submitted by him/her.