

**Advanced Diploma in Information Technology (ADIT) /
Bachelor in Information Technology (BIT)**

Term-End Practical Examination 00840

December, 2011

CST-203P : RELATIONAL DATABASE MANAGEMENT SYSTEM

Time allowed : 1 hour

*Maximum Marks : 30
(Weightage : 25%)*

Note : *There is one compulsory question carrying 20 marks. Rest 10 marks are for viva-voce. Make and state suitable assumptions, if any.*

1. An examination system allows a student to appear for examination of one subject many times. It only stores the maximum marks obtained by the student. The information about the student that is stored by the system include-student Id, name, programme, telephone number etc. The subject details that are stored include subject ID, name and credits. In addition, student can appear for examination of many subjects. Perform the following activities for the system :
 - (a) Design the appropriate relations for the system. 4
 - (b) Create the tables for the design of part (a) using a RDBMS. You should specify the keys, data types and validation checks and constraints (including referentials constraints, if any) 4
Enter about 5-6 sets of meaningful data in each table.
 - (c) Create two views for the relations :- 4
 - One for examination superintendent who have access to all the data.
 - Second for student who can only see his/her result.
 - (d) Write and run any four queries using SQL such that all the tables and attributes are covered in some query. (At least two queries should involve join operation) 8