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SET - 4

BACHELOR OF COMPUTER APPLICATIONS (BCA)

(Pre-revised)

00041

Term-End Practical Examination

June, 2013

CS-67(P) : RDBMS LAB

Time allowed : 2 hours *Maximum Marks : 75*

Note : *(i) There is **one compulsory** question in this paper carrying **50** marks. Rest **25** marks are for viva-voce.*

*(ii) You may use any **RDBMS** for implementation.*

(iii) Make and state suitable assumptions, if any.

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1. A database system is to be designed for storing the results of students in different subjects. A student is identified by enrolment number, name and programme code.

A subject has a subject code, subject name and programme code of the programme to which that subject is associated with. You may assume that a subject belongs to only one programme. The result of a student in a subject is stored as marks out of 100. Only the last result of the student in *a subject* is stored along with date of examination. However, a student can appear in many different subjects.

Perform the following tasks for the proposed system :

(a) Design and implement the normalised relations/tables for the proposed database system. You must include primary key, validation checks and referential integrity constraints in your implementation. **20**

(b) Enter about 5 - 6 sets of meaningful data in each table. **10**

(c) Design and implement the following queries/reports/forms for the database system : 20

(i) Create a form for students data entry.

(ii) Create a form for entry of marks of students in a subject.

(iii) Write a query to find average marks in each subject.

(iv) Write a query/report to show the result of a student in different subjects. The name of subjects should also be displayed.

(v) Create a report that displays subject wise result of the students.