

BACHELOR OF COMPUTER APPLICATIONS (BCA)
(Pre-revised)

Term-End Practical Examination

02091

June, 2013

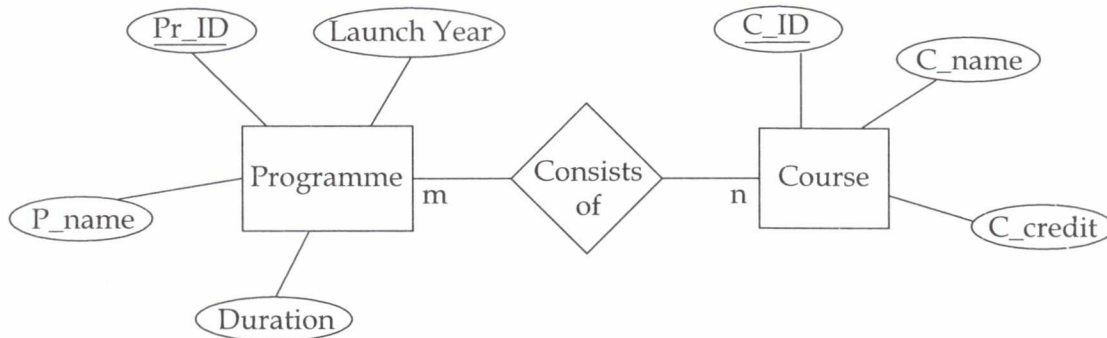
CS-67(P) : RDBMS LAB

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.

1. A database system is to be designed to store programme and cause details of a University. The following E-R diagram depicts this.



Please note that one programme may have many causes, also one cause may be part of more than one programmes.

Perform the following tasks for the E - R diagram given above :

- (a) Design and implement normalised relations/tables for the description and E - R diagram given above. You must include primary key, validation checks and referential integrity constraints in relations/tables. 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 two forms that allows data entry for programmes and courses separately.
 - (ii) Write a query that creates the list of course ids and course names of MCA programme.
 - (iii) Write a query to find the number of courses in each programme.
 - (iv) Create a report that shows the structure (programme name, followed by course list) for each programme.
 - (v) Create a form that allows entry of information - which courses are part of which programmes.
-