

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

**Term-End Practical Examination**

**December, 2016**

00173

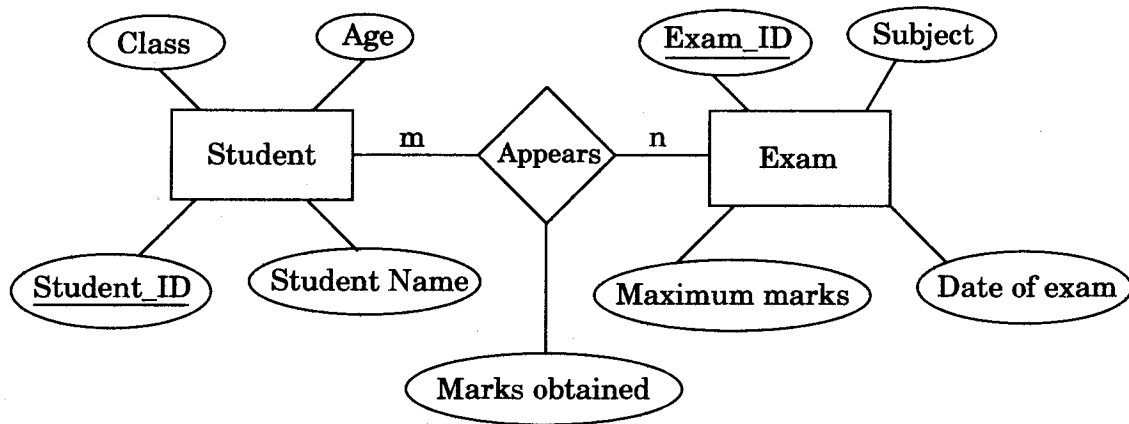
**CS-67(P)/S2 : RDBMS LAB**

*Time : 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 for keeping records of the students of a school.



A student can appear in many exams. Perform the following tasks for the E-R diagram as given above :

- (a) Design and implement normalised relations/tables for the E-R diagram. You should include primary key, validation checks and referential integrity constraints in your implementation.

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- (b) Enter 5 – 6 sets of meaningful data in every table that you have created in part (a). 10
- (c) Design and implement the following forms/queries/reports for the database system created as above : 20
- (i) Create two forms — one for entering student information and the other for entering exam information.
  - (ii) List all the exams on the subject “Physics”.
  - (iii) List all the exams in which the student whose ID is “S001” has appeared. Also show his/her marks obtained.
  - (iv) Make a list/report of all students in the order of their names.
  - (v) Find the maximum marks obtained in an examination whose Exam\_ID is “Ex1”.
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