

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

Term-End Practical Examination

June, 2018

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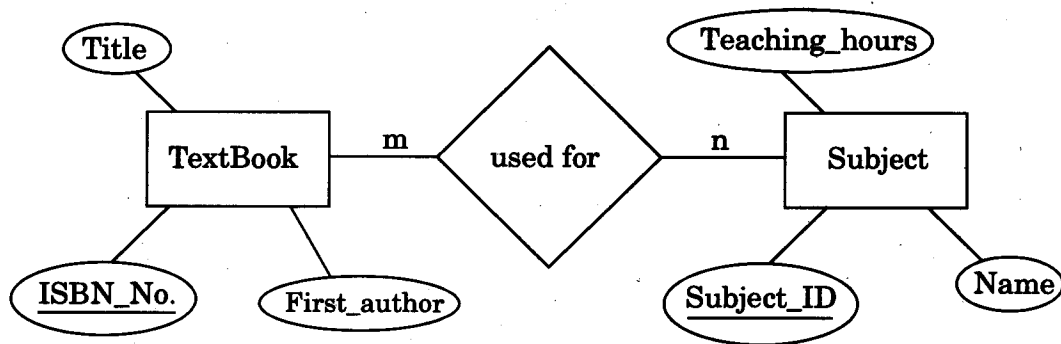
CS-67(P)/S4 : RDBMS LAB

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. Consider the following ERD :



One TextBook can be used for several subjects, and one subject can have many different TextBooks.

Perform the following tasks for the ER diagram given above :

- (a) Design and implement normalised relations/tables for the ER diagram given above. You may include primary key, validation checks and referential integrity constraints in your implementation. 20
- (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 created by you :

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- (i) Create two forms — one for entering information of TextBook and second for entering information of Subject.
 - (ii) List the Titles of the TextBooks in the alphabetical order.
 - (iii) Count the number of books whose first author is “XYZ”.
 - (iv) List all those subjects which have more than 5 Teaching_hours.
 - (v) List the Title of all the TextBooks used for the subject whose Subject_ID is “DBMS”.
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