

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

00353

Term-End Practical Examination
December, 2016

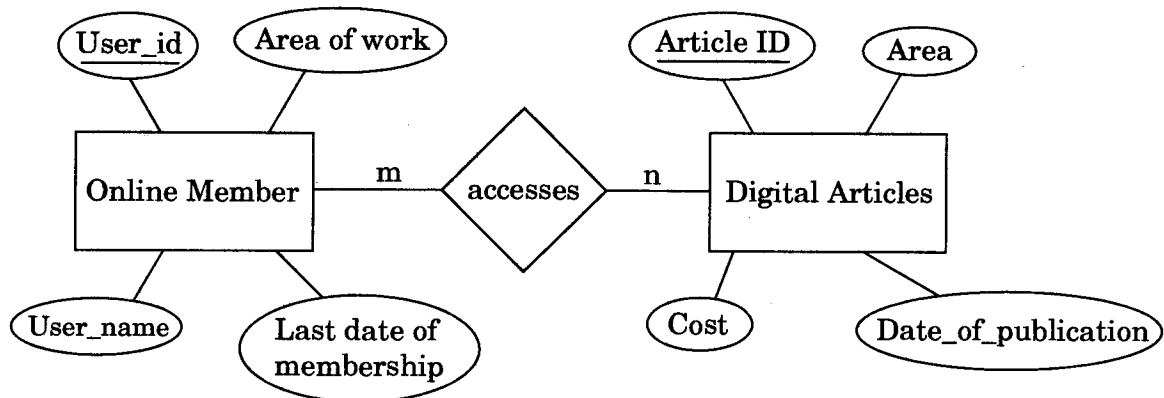
CS-67(P)/S4 : RDBMS LAB

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. A library maintains the records of usage of its electronic journals articles. The following E-R diagram shows this :



An article can be accessed by many members and a member can access many articles. Perform the following tasks for the given E-R diagram :

- (a) Design and implement normalised relations/tables. 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/forms/reports for the database.

20

- (i) Create two forms — one for entering information about online members and the other for entering information of Digital Articles.
 - (ii) Find the total number of articles in the “Databases” area (refer to Digital Article entity in ERD).
 - (iii) List the details of all the articles accessed by an online member whose User_id is “U001”.
 - (iv) List the details of all online members in alphabetical order of their User_names.
 - (v) List all the details of the articles whose cost is more than ₹ 100.
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