

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

Term-End Practical Examination

June, 2015

00913

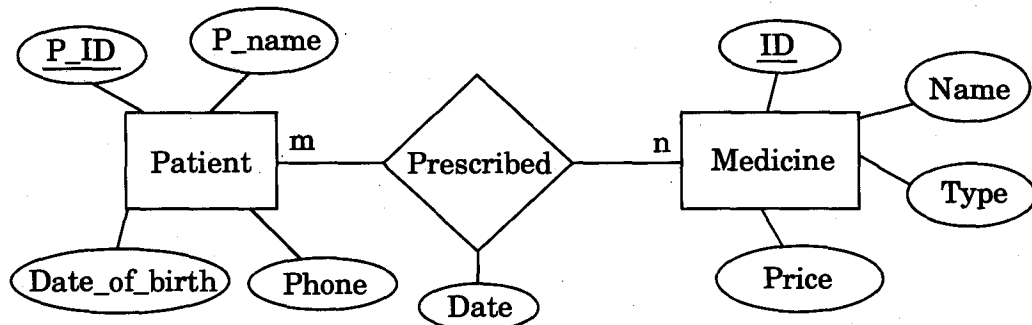
CS-67(P)/S1 : RDBMS LAB

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 the following E-R diagram :



A patient can be prescribed many medicines, while a medicine may be prescribed to many patients.

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

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

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- (b) Enter 5 – 6 sets of meaningful data in each table created by you in part (a). 10
- (c) Design and implement the following queries/reports/forms for the database so created : 20
- (i) Create two forms — one for entering patient information and second for entering medicine information.
 - (ii) List all the medicines whose cost is less than INR 100/-.
 - (iii) List the details of all the medicines that have been prescribed to the patient whose P_ID is “P001”.
 - (iv) Count the number of patients to whom a medicine whose ID is “M00101” is prescribed.
 - (v) Create a report of name, phone number and date of birth of all the patients.
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