

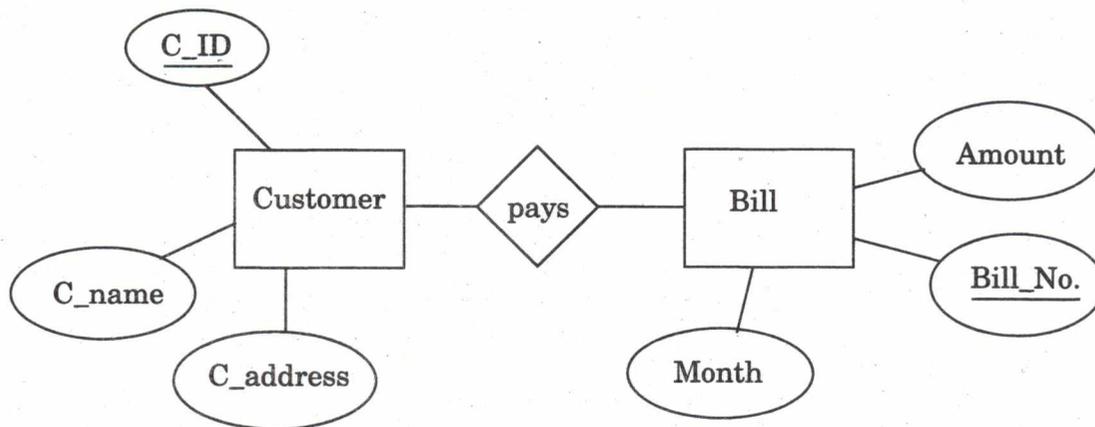
BACHELOR OF COMPUTER APPLICATIONS (Pre-revised)
(BCA)

00964

Term-End Practical Examination**December, 2014****CS-67(P)/S3 : 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 to keep track of telephone bill payment of a company. The following E-R diagram depicts it :



A customer pays for many bills, but one bill can be paid by only one customer.
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. 20
- (b) Enter about 5 – 6 sets of meaningful data in each table. 10
- (c) Design and implement the following queries/forms/reports : 20
 - (i) Create two forms – one for entering customer information and second for entering billing information.
 - (ii) Find the bills whose amount is more than INR 2,000.
 - (iii) List the names of the customers whose bill is less than INR 500.
 - (iv) Count the number of bills paid by a customer whose C_ID is "C001".
 - (v) List all the customers in the alphabetical order of their names.