



P-3741

Second Year B. C. A. (Sem. III) Examination  
March/April – 2014  
Paper - 306 : Practical

Time : 5 Hours]

[Total Marks : 140

Instructions :

(1)

नीचे दशांशक निशानावाणी विगत उत्तरपत्री पर अवश्य लपनी.  
Fillup strictly the details of signs on your answer book.

Name of the Examination :  
S. Y. B. C. A. (SEM. III)

Name of the Subject :  
Paper - 306 : Practical

Subject Code No. : 3 7 4 1 Section No. (1, 2,.....) : Nil

Seat No. :

Student's Signature

- (2) All questions are compulsory.
- (3) Figures on the right indicate full marks.

Q:1. Write a program to implement singly linked list which manage students details rollno, name and total marks out of 300. Perform following task on singly linked list. [40]

1. Insert node to the list in the order of roll number.
2. Delete node which contains specific rollno
3. Display student names and roll number in proper format

Q:2. Consider a shopping list of items for which we place an order. Create a file which stores item details. Item detail includes item code, item name, number of quantity and price per quantity. Write a C++ program that allow add item, update item and display item with total amount(price \* Quantity). Insert at least 5 records of an item. [40]

Q:3. (A) Create the following tables with proper constrain. [40]

Customer (Cust\_id, Cust\_name, Cust\_address, Cust\_phone)  
Bank (B\_id, B\_name, B\_address, B\_phone)  
Loan (L\_id, L\_type, L\_amount, B\_id, Cust\_id)

Where L\_type should be 'Home', 'Car', 'Personal' or 'education'. Insert minimum 10 records and do the following:

**(B) Write a query for the following:**

- 1) Find out Customer details who has taken a 'personal' loan.
- 2) Find out customer who has taken loan from 'ICICIBANK'.
- 3) Total\_loan\_amount from each loan type using group by.

**(C)** Create a procedure that accepts cust\_id and return cust\_name, B\_name, L\_type, L\_amount.

**(D)** Create a trigger on customer when delete cust\_id from customer table then it will delete Loan Table data associated with deleted cust\_id.

**Q:4 Journal & Viva**

[20]