



KA-3736

Second Year B. C. A. (Sem. III) Examination  
October / November - 2012  
Practicals - 306

Time : 5 Hours]

[Total Marks : 140

Instructions :

(1)

नीचे दशांशविले निशानीवाणी विगतो उत्तरवली पर अवश्य बजवी.  
Fillup strictly the details of signs on your answer book.

Seat No. :

Name of the Examination :

Name of the Subject :

Subject Code No. :     Section No. (1, 2,.....) :

Student's Signature

(2) Figure on the right indicated marks.

1 Create a transparent system for maintenance of student records by using trigger. If any insert, update, delete operations performed on the table STUDENT then rollno, date of operation and username fields are stored in STUDENT\_AUDIT table. 25

Student  
Rollno number (5)  
Name Varchar2(15)  
Join\_date date  
Address1 Varchar2(10)  
Address2 Varchar2(10)  
City Varchar2(10)  
State Varchar2(10)

Student\_audit  
Rollno number (5)  
O\_date date  
user\_name varchar2(15)

Write a PL/SQL code to display students who have joined college after the year 2011. 15

2 Create a class having a data member array of character and overload following operators. 40

- (i) >> → It takes input
- (ii) << → It displays output
- (iii) -= → It extracts unique characters of first string.  
e.g. s1 -= s2 where s1 and s2 are objects
- (iv) + → It joins two strings

3 Write a program that implements stack. Whenever stack gets overflow, all the elements of the stack are popped and stored into singly linked list. Also Display singly linked list. 40

4 viva and journal 20

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[4000]



KA-3737

Second Year B. C. A. (Sem. III) Examination  
October / November - 2012  
Practicals - 306

Time : 5 Hours]

[Total Marks : 140

Instructions :

(1)

नीचे दशांशव निशानावाणी विगतो उत्तरवही पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.	Seat No. : <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Name of the Examination : <input type="text" value="SECOND YEAR B. C. A. (SEM. 3)"/>	<input type="text" value="Student's Signature"/>
Name of the Subject : <input type="text" value="PRACTICALS - 306"/>	
Subject Code No. : <input type="text" value="3"/> <input type="text" value="7"/> <input type="text" value="3"/> <input type="text" value="7"/> Section No. (1, 2,.....) : <input type="text" value="NIL"/>	

(2) Figure on the right indicated marks.

- 1 Create a File called employee using Class and object (with member empno,empname, designation, salary). Store the data of employees in another file called emp1 whose designation is manager or salary is  $\geq 50000$ . 40
- 2 Write a program to perform following in Doubly linked list 40
  - (i) Insert at specific node.
  - (ii) Search a particular value.
  - (iii) Delete node with specified item.
  - (iv) Display list in both Direction
- 3 Create the following tables with necessary constraints 40  
Bill(Bill\_No,Table\_No,Waiter\_No,Total\_Amt,Tip,Day)  
Menu(Dish\_No,Dish\_Descrip,Price)  
Order(Bill\_No,Dish\_No,Qty)  
Write the following SQL command for tables:
  1. Find the total collection of 'table 12' for the November month of this year
  2. Find the most favorite and least Favourite dish of the customers
  3. Find the Table No most referred by the customers
  4. Find Average no of each dish quantity sold out every day
  5. Find the total selling in first week of December

A) Write a function which display the maximum order quantity.

B) Write a database trigger, which insert order detail into order table as new bill is generated.

4 Viva and journal

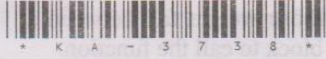
20

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[4000]







KA-3738

Second Year B. C. A. (Sem. III) Examination

October / November - 2012

Practical - 306

Time : 5 Hours]

[Total Marks : 140

Instructions :

(1)

नीचे दशांशिक निशानीवाणी विगतो उत्तरवही पर अवश्य लपयी. Fillup strictly the details of signs on your answer book.		Seat No. :
Name of the Examination :	<input type="text" value="SECOND YEAR B. C. A. (SEM. 3)"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Name of the Subject :	<input type="text" value="PRACTICAL - 306"/>	<input type="text" value="Student's Signature"/>
Subject Code No. : <input type="text" value="3"/> <input type="text" value="7"/> <input type="text" value="3"/> <input type="text" value="8"/>	Section No. (1, 2,.....) : <input type="text" value="NIL"/>	

(2) Figure on the right indicated marks.

- 1 Create a File called student using Class and object (with member rollno, Student name, gender, age). Read a student file and store the data in another files called Female and Male whose gender is "F" and gender is "M" respectively. 40
- 2 Write a menu driven program to perform following in singly linked list 40
  - (a) Insert in beginning
  - (b) Delete node from specified item
  - (c) Copy the linked list.
  - (d) Reverse a singly linked list
  - (e) Insert node at specified location.
- 3 Create the following tables with necessary constraints 40  
DISTRIBUTOR(DNO,DNAME,DADDRESS,DPHONE)  
ITEM(ITEMNO,ITEMNAME,COLOUR,WEIGHT)  
DIST\_ITEM(DNO,ITEMNO,QTY)

Write the following SQL command for tables

1. Display the data of the top three heaviest ITEMS.
2. Display details of those items that have never been supplied
3. Display only odd number of records of distributor.
4. Display the item name in the order of their weight
5. Display the average weight of items of same color provided atleast three items have that color



a) Write a function which display the no of items whose weight fall between a given ranges for a particular color. Write PL/SQL block to call the function.

b) Write a database trigger, which will not allow quantity less than 5.

4 Viva and journal

20

[Total Marks : 140]

[Time : 6 Hours]

Instructions :

(1)

(2) Figure on the right indicated marks.

1 Create a file called student using class and object (with member rollno, Student name, gender, age). Read a student file and store the data in another file called Female and Male whose gender is "F" and gender is "M" respectively.

2 Write a menu driven program to perform following in singly linked list:  
(a) Insert at beginning  
(b) Delete node from specified item  
(c) Copy the linked list  
(d) Reverse a singly linked list  
(e) Insert node at specified location.

3 Create the following tables with necessary constraints:  
DISTRIBUTOR(DNAME, ADDRESS, PHONE)  
ITEM(ITEMNO, ITEMNAME, COLOR, WEIGHT)  
DIST\_ITEM(DISTNO, ITEMNO, QTY)

Write the following SQL commands for tables:  
1. Display the data of the top three heaviest ITEMS.  
2. Display details of those items that have never been supplied.  
3. Display only odd number of records of distributor.  
4. Display the item name in the order of their weight.  
5. Display the average weight of items of same color provided atleast three items have that color.