



KA-3736

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

Time : 5 Hours]

[Total Marks : 140

Instructions :

(1)

नीचे दशावलि निशानीवाणी विगतो उत्तरवही पर अवश्य लभवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination : SECOND YEAR B. C. A. (SEM. 3)	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Name of the Subject : PRACTICALS - 306	Student's Signature
Subject Code No. : 3 7 3 6 Section No. (1, 2,.....): NIL	

(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

<u>Student</u>	<u>Student_audit</u>
Rollno number (5)	Rollno number (5)
Name Varchar2(15)	O_date date
Join_date date	user_name varchar2(15)
Address1 Varchar2(10)	
Address2 Varchar2(10)	
City Varchar2(10)	
State Varchar2(10)	

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]