



**C-1883**  
**Second Year B.C.A. (Sem. IV) Examination**  
**October / November – 2008**  
**403 : RDBMS**  
**(New Course)**

Time : 3 Hours]

[Total Marks : 70

**Instructions :**

(1)

नीचे दशांशवैध निशानीवाणी विगतो उत्तरवही पर अवश्य लक्ष्मी.  
Fillup strictly the details of signs on your answer book.

Name of the Examination :  
S. Y. B.C.A. (Sem. 4)

Name of the Subject :  
403 : RDBMS (New)

Subject Code No. : 1 8 8 3 Section No. (1,2,.....) : Nil

Seat No. :

Student's Signature

(2) Q. 1 is compulsory.

(3) Figure to the right indicate full marks.

1 Answer in short :

10

- (i) What is table space?
- (ii) How is user defined function invoked in a package?
- (iii) List out restriction of Updatable view.
- (iv) What is DDL? What is the function of DDL?
- (v) What is the function of FIRST ( ) attribute?
- (vi) What is CURRVAL pseudo column used for in sequence.
- (vii) Write down the command to give INSERT and DELETE privilege to table emp to user Ramesh.
- (viii) What are the components of package?
- (ix) List out the types of triggers
- (x) What caused a table or record level lock to be released?

- 2 Do as directed : 15
- (a) What is DATA CONSTRAINTS ? List out all types of constraints; explain Foreign Key constraints with ON DELETE CASCADE. 5
- (b) What is savepoint? Explain with suitable example. 5
- (c) Write a trigger that will not allow to change emp table data. After office hour i.e. from Monday to Saturday (from 8.00 am to 6.00 pm) There is no restriction on viewing the data. 5

OR

- 2 Do as directed : 15
- (a) Define the term RDBMS; list out Codd's law? Explain any three in detail. 5
- (b) What is nested table? Explain the following attributes with their return type : 5
- (i) Exists ( )
- (ii) Prior ( )
- (iii) Delete (i,j)
- (iv) Last
- (c) Write a program that will insert the records from student table to temp1 table. For every insertion a trigger should be called. If a student is failing in any of the three subjects that students record should not be written in temp1 table. 5

- 3 Do as directed : 15
- (a) Explain FOR cursor loop? Discuss advantages of FOR cursor over simple-cursor. Also give suitable example for REVERSE keyword in FOR loop. 5

OR

- (a) What is view? Discuss the updatable view with example. 5
- (b) Write an SQL to create following table. 10  
Stu\_mst (stu\_no, stu\_name, course\_code, stu\_city, stu\_age)  
Fee\_mst (stu\_no, fees\_paid, Amt)  
Course\_mst (Course\_code, coursename)  
The create table SQL should have primary key constraints, foreign key constraints.  
Also write SQL to solve following queries.
- (i) List the student with same course and same course\_code and course\_name
- (ii) List the students of Surat
- (iii) Count the no students who have not paid the fees.  
Find the total amount collected as Fees from student.
- 4 Do as directed : 15
- (a) What is sequence? How is sequence created? Explain the sequence in detail. 5
- (b) What is exception? How is Business Exception implement explain with suitable example. 5
- (c) Define stored procedure? Where do stored procedure reside? State advantage of store procedure. 5

OR

- 4 Do as directed : 15
- (a) Define Overloading. Write down the advantage of overloading. 5
- (b) What is cursor? Explain explicit cursor with its attributes using suitable example. 5
- (c) Explain how Backup is taken in Oracle. 5

5 Do as directed : 15

(a) Write a program which will raise custom exception 6  
when deleting records in emp table. If salary is less than  
5000 then do not allow deletion and give appropriate  
message.

(b) Write a PL/SQL in which worker no is passed as 9  
parameter and its checks whether hourly income is more  
than 100 or not.

If it is more give appropriate message

(Use function)

Table name: Worker(workerno, name, wageperhr).

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