



BA-1883

Second Year B. C. A. (Sem. IV) Examination
September / October - 2009
403 - RDBMS

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दृष्टांतव विधानीयता विगत उत्तरवही पर अवश्य कर्तवी.
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

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

Seat No:

Student's Signature

- (2) Question-1 is compulsory.
- (3) Figures to the right indicate full marks.

1 Answer in short :

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- (1) What is Active Data Set ?
- ✓ (2) How to remove user defined constraints respect to specific table ?
- ✓ (3) How we can modify a column size in a table which is created before ?
- (4) How is user defined procedure invoked in a package ?
- (5) What is CURRVAL pseudo column used for in sequence ?
- (6) Write down the command to take back INSERT and UPDATE privilege to table Emp from user ABC.
- (7) List out the methods for end a transaction in oracle ?
- (8) What is the function of FIRST() attribute ?
- (9) What is the difference between % NOTFOUND and NO_DATA_FOUND ?
- ✓ (10) Write down the command for enable primary key to specific table.

- 2 Do as directed :
- (a) Define the term RDBMS list out Codd's law ? Explain any three in detail. 5
 - (b) What is savepoint ? Explain with suitable example. 5
 - (c) Write a PL/SQL code block that will accept an employee no from the user and deduct a salary by Rs. 1000 from the input employee no if employee has a minimum salary of Rs. 500 after salary is deducted, otherwise display message "SALARY IS NOT ENOUGH". (Table : Emp (empno, name, salary)). 5

OR

- 2 Do as directed :
- (a) What is DBA ? Discuss the basic duties of DBA. 5
 - (b) What are the range searching and pattern matching operators in oracle ? Explain with syntax and 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 9.00 am to 5.00 pm) There is no restriction on viewing the data. 5

- 3 Do as directed :
- (a) What is PL/SQL ? Discuss the advantages of PL/SQL in compare to SQL. 5

OR

- (a) What is DATA CONSTRAINTS ? List out all types of constraint. Explain Foreign Key constraints with ON DELETE CASCADE. 5

- (b) Write a SQL to create following tables : 10
Stu_mst (rollno, name, ccode, city)
Fees_mst (rollno, Amt)
Course_mst (ccode, name)

The create table SQL should have primary key constraints, foreign key constraints.

Also write SQL to solve following queries :

- (i) Display the pair of students who are living in the same city.
- (ii) Display the students of BCA Course
- (iii) Find the total amount collected as Fees from student.

- 4 Do as directed :
- (a) What is view ? Explain readonly view and updateable view. 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) How to protect all the work and data in an oracle database ? Explain the different protective mechanism. 5

OR

- 4 Do as directed :
- (a) What is overloading procedures and functions ? Explain Restrictions on overloading procedures and functions. 5
 - (b) What is Exception ? Discuss Named Exceptions in detail. 5
 - (c) Explain FOR cursor loop ? Discuss advantages of FOR cursor over simple cursor. Also give suitable example for REVERSE keyword in FOR loop. 5

- 5 Do as directed :
- (a) Consider following table : 8
Emp (eno (P.K.), name, salary)
Write a procedure to display top 5 highest getting records of Emp along with their name.
 - (b) Write a database trigger which generate automatic primary key on table Emp (eno (P.K.), name, salary) Like E001, E002). 7