



UA-3732

Second Year B. C. A. (Sem. III) Examination
March/April – 2012

302 : Relational Database Management System

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दृष्टविक - निशानीवाणी विगतो उत्तरवडी पर अवश्य वनवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	
Second Year B. C. A. (Sem. 3)	
Name of the Subject :	
302 : Relational Database Management System	
Subject Code No. : 3 7 3 2	Section No. (1, 2,.....) : NIL
Student's Signature	

- (2) All questions are **compulsory**.
(3) Marks are indicated at the **right** side of each questions.

- 1 Answer following : (any seven) 14
- What is the difference between Delete Table and Truncate Table ?
 - What is an index ? What are the types of Index ?
 - How to create view ?
 - Is it possible to declare an attribute having number datatype and its scale is larger than precision ? Give appropriate example.
 - What is difference between DML and DCL statement ?
 - Which properties of sequence can be modified, if it is possible ?
 - Is it possible to create two procedure having same name ? How ?
 - What is difference between exception and error ?
- 2 Answer following : (any three) 15
- Explain the concept of Triggers.
 - What is difference between function and procedure ?
 - Describe the concept of package. How to create a package and what are the benefits ?

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[Contd...

- (d) What is stored procedure ? Why it is called stored procedure ?
- (e) How to create sequence, views and index ?

3 Answer following : (any **three**)

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- (a) Discuss the concept of PL/SQL and explain block-diagram of PL/SQL.
- (b) Explain types of cursors. Also discuss Attributes of cursors.
- (c) Explain control structures and datatypes available in PL/SQL.
- (d) What is exception ? How exceptions are handled and why ?
- (e) What is nested table ? Explain the concept of commit and Roll-back.

4 Answer following : (any **three**)

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- (a) What is advantage and disadvantage of cursor ?
- (b) What is difference between Physical and Logical data Independence ?
- (c) What is constraint ? Explain various types of constraints.
- (d) What is difference between DML, DDL and DCL statement ?
- (e) What is difference between view and table ?

5 Write code for following :

(a) Create following tables :

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Employee (Emp-no, Emp-name, date-of birth, address, city)

Salary (Emp-no, basic, DA, HRA, Tax, Gross, NET).

(b) Create a procedure which calculate gross and Net Salary after incrementing Basic Salary by 3% for given emp-no.

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OR

(b) Create a function which return name of employee who is youngest.

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(c) Create a trigger which remove records of those employees who cross their 60 years of age.

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