



N-1442

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

October/November – 2011

Paper-302 : Relational Database Management System

Time : Hours]

[Total Marks :

Instructions

(1)

नीचे दशांकित निशानीवाणी विगतां उत्तरपत्री पर अवश्य लपनी.
Fillup strictly the details of signs on your answer book.

Name of the Examination :
S. Y. B. C. A. (Sem. 3)

Name of the Subject :
Paper-302 : Relational Database Management System

Subject Code No. : 1 4 4 2 Section No. (1, 2,....): Nil

Seat No. : [] [] [] [] []

Student's Signature

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

1 Answer following : 14

- (a) What is index ?
(b) What is difference between TRUNCATE and DELETE ?
(c) What is difference between cursor declared in procedure and package ?
(d) What is Pseudo table and pseudo column ? Give example.
(e) How to disable all triggers on a table ?
(f) What is sequence ?
(g) Name the tables where characteristics of package, procedure and functions are stored.

- 2 Answer following : (any three) 21
- (a) Explain concept, functioning and implementation of cursors. Also discuss types of cursors.
 - (b) Discuss types of SQL statements. Provide appropriate example.
 - (c) Discuss Exception Handling concept. Describe types of Exceptions.
 - (d) Discuss PL/SQL block structure. Also explain architecture of PL/SQL.
 - (e) Discuss PL/SQL datatypes.
- 3 Answer following : (any three) 9
- (a) What is difference between table and view ?
 - (b) What is difference between error and exception ?
 - (c) How it is possible to revert the actions using roll-back ?
 - (d) What is physical and logical data independence ?
 - (e) Write note on attributes of cursors.
- 4 Answer following : (any three) 15
- (a) Explain the concept of trigger by discussing types of Triggers.
 - (b) Explain function and procedure. What is difference between them ?
 - (c) Discuss the concept of package. How package provide concept of polymorphism ?
 - (d) What is trigger ? Explain the concept of trigger.
 - (e) What is Nested table ? What is nested record ?
 - (f) Explain the utilities SQL*Import and SQL Export.

5 Consider following tables and solve given problems :

Train (Train-no, Train- Name)

Station (Station-code, Station-name)

Halt (Halt-code, seq. no, Train_No, Station-No, Time-In, Time-out)

(Halt-Code and Seq. no. are composite key)

- (a) Create above tables. 3
- (b) Create a procedure which return Time-in and Time-out for give Train -no and station-name. 4

OR

- (b) Create a function which return name of train which stops at maximum stations.
- (c) Create a trigger which delete all related records from other tables when any record is deleted from train table.
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