SYIT - SQL
ASQL - SYIT
Sem - III 2015-16
A.T.K.T.

Note :– i) All questions are compulsory.
ii) Give query example wherever necessary.

Q. 1 **Attempt any Two** 10
a) Explain all Single-Row functions used in oracle.
b) Define sequence to generate list of number 1, 3, 5, ..., 999. Also explain how to get access of current and next value of the sequence.
c) Write short note on –
   i) Check constraint
   ii) Primary Key Constraint
d) Consider following tables.
   Customer (custno, cname, city, credit limit)
   Product (productno, description, rate)
   Orders (orderno, custno, productno, orderdt, qty, amt)
   Solve following queries –
   i) How many orders placed by each customer?
   ii) List the customers living in city virar.
   iii) Find out orders placed in the Month of August 2015.

Q. 2 **Attempt any Two** 10
a) How to grant and revoke the privileges from the user?
b) Write a short note on hierarchical retrieval.
c) Write a short note on set operation used in oracle.
d) Write any five date-time functions used in oracle.

Q. 3 **Attempt any Two** 10
a) What are identifiers? Explain with its types.
b) What do you mean by anonymous PL/SQL block? Explain with example.
c) Write a short note on substitution variable. Explain with proper example.
d) Consider a table employee (empid, ename, city).
   Write a PL/SQL block to display the details of Employee whose 'empid' is entered by user.

Q. 4 **Attempt any Two** 10
a) What do you mean by exception? Explain oracle named exception handlers.
b) What are the attributes of Implicit cursor.
c) Explain Cursor for loop with proper example.
d) Consider a table Book (bookid, title, author, price)
   Write a PL/SQL block which will display all "PL/SQL" Books.

Q. 5 **Attempt any Two** 10
a) What do you mean by function? What are different keywords and parameters used for it?
b) How to invoke a procedure on SQL command prompt? Illustrate with example.
c) How to create, call and remove a stored procedure?
d) Consider table Sailors (sid, sname, city). Create a function which will count number of sailors and display it on screen. Use PL/SQL block to execute the function.

P.T.O.

Q. 6   **Attempt any Two**
   a) List out steps in order to execute dynamic SQL with DBMS-SQL package.
   b) What do you mean by Trigger? Explain the syntax of creating trigger.
   c) Explain following steps to execute dynamic SQL with DBMS-SQL package.
       i)   Execute SQL statement
      ii) Bind column to cursor columns.
   d) Write short note on - instead of trigger.

Q. 7   **Attempt any Three**
   a) How to change the structure of created table? Explain with example.
   b) Write short note on With Clause.
   c) How PL/SQL blocks are nested? Illustrated with example.
   d) Explain FOR UPDATE & WHERE CURRENT clause of cursors.
   e) What do you mean by package? What are advantages of using package?
   f) Explain all types of trigger.

—— The End ——