



AAQ-003-003403 **Seat No.** _____

B. C. A. (Sem. IV) (CBCS) Examination

April / May - 2016

CS-21 : RDBMS Using Oracle

(Old Course)

Faculty Code : 003
Subject Code : 003403

Time : $2\frac{1}{2}$ Hours] [Total Marks : 70

Instructions :

- (1) Section - I contains MCQs of 20 marks.
- (2) Section - II contains descriptive questions of 50 marks.
- (3) Answers of MCQs should be written in same answer sheet.

SECTION - I

1 Answer the following MCQs : **20**

(5) _____ command is used to modify table structure.

(A) UPDATE (B) INSERT
(C) DROP (D) ALTER

(6) _____ Command is used to retrieve specified portion of given string.

(A) INSTR() (B) TO_CHAR()
(C) SUBSTR() (D) None of the above

(7) The ORDER BY clause can only use with _____ queries.

(A) SELECT (B) INSERT
(C) HAVING (D) GROUP BY

(8) To generate unique integer value for primary key field, _____ used.

(A) PRIMARY KEY (B) SEQUENCE
(C) UNIQUE (D) DISTINCT

(9) REVOKE is _____ type of command.

(A) DML (B) TCL
(C) DCL (D) DDL

(10) Which of the following is not TCL command?

(A) COMMIT (B) ROLLBACK
(C) SAVEPOINT (D) None of these

(11) _____ attribute will check whether the cursor is open or not.

(A) %OPEN (B) %FOUND
(C) %ISOPEN (D) %NOTOPEN

(12) The Container object _____ allows PL/SQL objects to be stored in it.

(A) PROCEDURE (B) PACKAGE
(C) FUNCTION (D) PL/SQL block

(13) The special type of event procedures those are called automatically in response to DML statements executed is known as _____.

(A) TRIGGER (B) PROCEDURE
(C) FUNCTION (D) CURSOR

(14) _____ is not a type of collections in ORACLE.

(A) VARRAY (B) Nested Tables
(C) PL/SQL Tables (D) ARRAY

(15) Which of the following file contains the information used for recovery, in the event of system failure?

(A) Control file (B) Backup file
(C) Redo log file (D) Data file

(16) _____ SEGMENT stores only indexes in a Oracle Architecture.

(A) Data (B) Index
(C) Rollback (D) None of the above

(17) Which of the following is responsible for keeping track of oracle processes and cleaning up task?

(A) PMON (B) DMON
(C) SMON (D) CMON

(18) A copy of oracle object maintained on client-side is called

(A) VIEW (B) SNAPSHOT
(C) SYNONYM (D) BackUp

(19) _____ product/utility of oracle maintains the network session during transmission of data between client and server in oracle environment.

(A) Oracle Network Listener
(B) Net8
(C) TNS
(D) ORA TCP/IP

(20) The components of SGA are _____.

(A) Shared pool (B) Database buffer
(C) Redo log buffer (D) All

SECTION - II

2 (a) Answer the following in brief : (any three) 6

- (1) Explain SQL*Plus in brief.
- (2) Explain operators: BETWEEN and LIKE
- (3) Explain ALTER command.
- (4) How to create SEQUENCE in oracle?
- (5) What is Transaction? List out TCL commands.

(b) Answer the following in detail : (any **three**) **9**

- (1) Explain %TYPE and %ROWTYPE with example.
- (2) Write a note on SELECT statement with all options.
- (3) Explain SYNONYM.
- (4) What is SAVEPOINT? Explain with example.
- (5) Difference between SQL v/s PL/SQL.

(c) Answer the following in detail. (any **two**) **10**

- (1) Describe PL/SQL block structure.
- (2) Explain GROUP BY and HAVING clause with example.
- (3) Explain TRIGGER.
- (4) What is JOIN? Explain its type with example.

3 (a) Answer the following in brief : (any **three**) **6**

- (1) Explain VARRAY.
- (2) Explain Tablespace.
- (3) What is Package?
- (4) What is control file?
- (5) What is cold backup and hot backup?

(b) Answer the following in detail : (any **three**) **9**

- (1) Write a short note on Net 8.
- (2) Differentiate: Procedure v/s Function.
- (3) Write a function to display the reverse string of a given string.
- (4) Explain oracle blocks.
- (5) What is SNAPSHOT? Explain in brief.

(c) Answer the following : (any **two**) **10**

- (1) Explain Oracle Instance Architecture.
- (2) Explain Cursors.
- (3) Write a PL/SQL block which accept employee name and update salary to 5000 if found, else give appropriate message.
- (4) Explain following functions:
 - INSTR()
 - TO_CHAR()
 - FLOOR()
 - ADD_MONTHS()
 - ROUND()