(6 pages) **Reg. No. :** .....

Code No. : 21024 **Sub. Code : GMCA 53**

B.C.A. (CBCS) DEGREE EXAMINATION, NOVEMBER 2014.

Fifth Semester

Computer Application – Main

RDBMS

(For those who joined in July 2012 onwards)

Time : Three hours Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer.

1. SQL* plus will know you are typing a PL/SQL block when it encounters the word

   (a) PL/SQL (b) Begin

   (c) Exception (d) Declare

2. Which of the following is not a valid parameter mode?

   (a) IN (b) OUT

   (c) INOUT (d) None of these

3. ———— SQL command can be used to modify the existing data in a database table.

   (a) Alter (b) Update

   (c) Modify (d) Correct

4. Which of the following group functions ignore null values?

   (a) Max (b) Insert

   (c) Count (*) (d) None of these

5. ———— command is used to get input from the user.

   (a) Get (b) Read

   (c) Accept (d) Cin

6. Script files can be executed by the ———— command.

   (a) Start (b) STA

   (c) @ (d) Execute

Nesamony Memorial Christian College, Marthandam

7. The SQL statement "SELECT INSTR ('abcdefg', 'c') from DUAL;" prints

(a) 2 (b) 3

(c) 5 (d) 6

8. The basic programming unit of a PL/SQL code is a

(a) Procedure (b) Sub-program

(c) Module (d) Block

9. Which of the following are pre-defined error conditions?

(a) No-data-Found (b) Too-many-rows

(c) Dup-val-on-index (d) All of these

10. Which of the following are cursor operations?

(a) Open (b) Close

(c) Fetch (d) All of these

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) Write about client server databases.

Or

(b) Explain the data types available in oracle.

12. (a) Explain about where clause with an example.

Or

(b) Write about data functions in SQL.

13. (a) Explain about views.

Or

(b) Write about synonyms.

14. (a) Write about transaction control statements with examples.

Or

(b) Write about SQL in PL/SQL.

Nesamony Memorial Christian College, Marthandam

15. (a) What do you mean by user defined exception? Give an example.

Or

(b) Explain about the types of cursors.

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Describe about constraints with examples.

Or

(b) Describe about creating and maintaining tables in SQL.

17. (a) Describe about grouping data from tables in SQL. Give examples.

Or

(b) Discuss built-in functions in oracle.

18. (a) Describe about joins with examples.

Or

(b) Describe about security management in SQL.

19. (a) Describe about PL/SQL control structures.

Or

(b) Write a PL/SQL block to check whether the given number is palindrome or not.

20. (a) Describe about built in exceptions with examples.

Or

(b) Create a table student which contains the following columns :

applnno (primary key), student name, subject 1, subject 2, subject 3 and city name.

Write a PL/SQL cursor program to perform the following operations :

- Calculate the total and average for each student
- Display the students those who belong to Tirunelveli.

———————

Nesamony Memorial Christian College, Marthandam