SARDAR PATEL UNIVERSITY
V.V.NAGAR
EXTERNAL EXAMINATION (2016)
BCA-4th Semester

[18/A44]

COURSE:: US04CBCA01
DATE: 05/04/2016
TIME: 10:30 to 1:30 PM

SUB:: RDBMS-II
MARKS::70

Q.1   Multiple Choice Questions   [10]

1.   Which of the following is not an anomaly?
     (a) INDEX   (b) INSERT (c) UPDATE (d) DELETE

2.   The process of normalization
     (a) is automatic using a computer program.
     (b) requires one to understand dependency between attributes.
     (c) is manual and requires semantic information.
     (d) is finding the key of a relation.

3.   A relation is said to be in BCNF when
     (a) it has overlapping composite keys
     (b) it has no composite keys
     (c) it has no multi-valued dependencies
     (d) it has no overlapping composite keys which have related attributes

4.   A _____ is an oracle object, which holds other objects in it.
     (a)   trigger (b) procedure (c) function   (d) package

5.   _____ type of parameter used to send values to stored procedures.
     (a) IN   (b) OUT   (c) INOUT   (d) none of above

6.   A _____ can must have return statement.
     (a) Function   (b) procedure   (c) trigger   (d) none of this

7.   In PL/SQL, Code blocks start with a _____ Section.
     (a) Begin (b) Exception (c) Declaration (d) Main

8.   The _____ statement changes the flow of control within PL/SQL block.
     (a) goto   (b) loop   (c) end loop   (d) repeat

9.   Which of the following is not a cursor attribute?
     (a) %rowtype (b) %found (c) %rowcount (d) %isopen

10. Fetch statement retrieves _____ rows at a time.
     (a) one   (b) two   (c) three   (d) more than three

Q.2   Short Questions (Any Ten)   [20]
      1. What is Transitive Dependencies explain with Example.
      2. What is Package? List part of package.
      3. List out the parameter of Procedure..
      4. List out the consequences of poor database design.
      5. Write syntax of Function.

6. Explain BCNF?

7. Write Advantages of PL/SQL

8. Define explicit and implicit cursor.

9. Explain SELECT..INTO statement available in PL/SQL.

10. Differentiate between implicit cursor and explicit cursors.

11. Explain the use of EXIT WHEN in brief

12. Define: %type and %rowtype.

Q.3	a)	What is Normalization? Explain 2nd normal form and 3rd normal form with example.	[6]
	b)	Explain Functional Dependencies.	[4]

OR

Q.3	a)	What is Normalization? Explain 1st normal form, 2nd normal form with example.	[6]
	b)	Discuss the purpose of normalization & normalization process.	[4]

Q.4	Explain Control Structure in detail.	[10]

OR

Q.4	Explain PL/SQL block with taking one example. How to declare variable and access value of the variable from user. Explain with appropriate syntax and example. And how to print user defined message on to the screen.	[10]

Q.5	a)	List and explain explicit cursor attributed with suitable example.	[6]
	b)	List any two exceptions available in Oracle. Explain any one of them in detail with suitable example.	[4]

OR

Q.5	a)	Explain following statements for explicit cursors : (a)　open　(b)　close　(c)　fetch	[6]
	b)	Explain Cursor FOR Loop in detail with example.	[4]

Q.6	a)	Explain Trigger with syntax and example.	[6]
	b)	Explain different parameter used in procedure with example.	[4]

OR

Q.6	a)	Explain Procedure with syntax and example.	[6]
	b)	Explain PL/SQL package with syntax and example.	[4]

All the Best