

(07)

(i) Printed Pages: 4]

Roll No. ....

(ii) Questions : 9]

Sub. Code : 

0	9	2	7
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Exam. Code : 

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**Bachelor of Computer Applications 4th  
Semester Examination**

**1047**

**CLIENT SERVER COMPUTING USING ORACLE**

**Paper : BCA-402**

**Time : 3 Hours]**

**[Max. Marks : 90**

**Note :-** Attempt *five* questions in all by selecting *one* question from each Section. Entire Question No. 9 is compulsory.

**Section-A**

1. (a) What is DBMS ? Describe its features.  
(b) Define and distinguish between Network, Hierarchical and Relational database model. 6,12
2. Describe the following :
  - (i) Physical and logical data independence
  - (ii) Integrity rules
  - (iii) Various data types supported by oracle 6x3=18

**N-310**

( 1 )

Turn Over

### Section-B

3. Differentiate the following with examples :

(i) Inline view and materialized view

(ii) Equi join and outer join

(iii) Union and intersect set operators 6×3=18

4. (a) What are Privileges ? How are they managed in Oracle ?

(b) Describe the syntax and usage of sequence in

PL/SQL. 9,9

### Section-C

5. (a) What is PL/SQL ? Give the PL/SQL block structure ? Give example.

(b) Describe the data types used in PL/SQL. 9,9

6. (a) Describe the scope and visibility of a variable in PL/SQL.

(b) Describe the precedence of operators in PL/SQL.

(c) Describe various Iterative Control structures available in PL/SQL. 6×3=18

### Section-D

7. Differentiate the following in PL/SQL with the help of examples :
- (i) Implicit and explicit cursors and their attributes
  - (ii) Predefined and user-defined exceptions  $9 \times 2 = 18$
8. Describe the following in PL/SQL with the help of examples :
- (i) Subprograms
  - (ii) Stored packages
  - (iii) Database Triggers  $6 \times 3 = 18$

### (Compulsory Question)

9. Entire question is compulsory :
- (i) What is DML ?
  - (ii) Write the syntax of INSERT statement.
  - (iii) Explain 'Pattern Matching' in Oracle.
  - (iv) What are Aggregate functions ?
  - (v) What is Cube operation ?

(vi) What is Rollback ?

(vii) Name composite data types used in Oracle.

(viii) Write advantages of using package.

(ix) What is a Nested Query ?  $9 \times 2 = 18$