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**BCMCAV 204**

**Credit Based Third Semester B.Com. Degree  
Examination, October/November 2016  
COMPUTER APPLICATION (Vocational)  
Paper – V : Database Management System  
(Common to all Batches)**

Time : 3 Hours

Max. Marks : 80

**PART – A**

Answer any ten questions :

(10×2=20)

1. a) What is primary key ?
- b) Define weak entity and domain.
- c) Name any two database models.
- d) What is a database schema ?
- e) Write the syntax of UPDATE command.
- f) Name the operator used for range searching and pattern matching.
- g) How to make a view updatable ?
- h) Distinguish between ORDER BY and GROUP BY clauses.
- i) Name the different arithmetic and logical operators in PL/SQL.
- j) Define literal.
- k) What is DDL ?
- l) What is meant by database trigger ?

**PART – B**

Answer **one full** question from each Unit :

**UNIT – I**

2. a) Explain the different symbols used in ER diagram.
- b) Explain the three schema architecture of DBMS.
- c) Explain the responsibilities of DBA.

(5+5+5)

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- 3. a) Discuss the main characteristics of database approach and how it differs from traditional file system ?
- b) What are the different types of attributes ? Explain each with an example. (10+5)

UNIT – II

- 4. a) Explain the basic structure of oracle system.
- b) Explain the SELECT statement with syntax and examples.
- c) Explain how referential integrity is defined in the table. (5+5+5)
- 5. a) What is view ? Explain the syntax of creating a view with an example.
- b) Explain any three DML commands with syntax and example.
- c) Explain any five aggregate functions of oracle. (4+6+5)

UNIT – III

- 6. a) Explain the conditional statements in PL/SQL.
- b) Write a note on :
  - i) Comments in PL/SQL
  - ii) DBMS \_ OUTPUT.PUT\_LINE
- c) What are the advantages of procedures ? Explain. (6+4+5)
- 7. a) Explain any two looping statements in PL/SQL with examples.
- b) What is a function ? Explain the different parts of function.
- c) Explain the PL/SQL data types. (6+5+4)

UNIT – IV

- 8. a) What is a cursor ? Explain the different attributes of a cursor.
- b) What is a package ? How to create a package ? Explain with syntax and example.
- c) Write a PL/SQL program to declare the result of the students. Assume the suitable data from the base table. (5+5+5)
- 9. a) What is the purpose of triggers ? Name the different types of triggers.
- b) What do you mean by an exception ? Explain any two system exceptions.
- c) Explain the syntax for creating trigger. (5+5+5)