Roll No. ....

Y – 5767

B.C.A. (Fifth Semester) EXAMINATION, Dec.-2021

Paper – 505

ORACLE 8i

Time : Three Hours

Maximum Marks : 80

Minimum Pass Marks : 32

Note—(i) Answer all questions.

(ii) All questions carry equal marks.

Unit-I

1. (a) What is Data base system ? Discuss the advantages of a database management system. Give some uses of oracle 8i. 8

   (b) (i) What is data dictionary ? What are its uses ? Explain with a suitable example. 4

   (i) What is RDBMS ? Discuss important features of RDBMS. 4

   Or

   (a) Giving neat diagrams, explain the client/server computing features of oracle 8i.

   8

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   (b) Giving suitable examples, write short notes on any *two*— 8

   (i) Role of Data Base Administrator (DBA).

   (ii) Oracle memory.

   (iii) Protecting data.

   (iv) Overview of oracle Architecture.

Unit-II

2. (a) What is key field ? Explain unique key, default key and foreign key with the help of suitable examples. Clearly explain the purpose of keys. 8

   (b) How can you modify the structure of a table in oracle ? List and explain various data constraints. 8

   Or

Giving suitable examples, write short notes on any *four* of the following : 16

   (i) Integrity constraints and their use.

   (ii) Oracle functions.

   (iii) Pattern matching.

   (iv) Modification of structure of tables.

   (v) Logical operators and their use.

   (vi) Column level and table level constraints.

Unit-III

3. (a) What are object privileges ? Explain what do you understand by granting and revoking of permissions in oracle ?   8

(b) Explain any *two* in brief :   8
   (i) Creating and renaming view.
   (ii) Intersect and minus clause.
   (iii) Sequences and indexes.
   (iv) Need of joining tables.

Or

Write explanatory short notes with suitable example on any *four* :   16

(i) Joining multiple Table.
(ii) Sub-queries Union.
(iii) DDL and DML.
(iv) Destroying view.
(v) Indexes.
(vi) Intersect and minus clause.

Unit-IV

4. (a) Giving suitable examples, differentiate between SQL and PL/SQL. Explain the block structure applicable for PL/SQL program.   8

(b) What are locks ? Giving suitable example differentiate between implicit and explicit locking.   8

Or

Write explanatory short notes with suitable example on any *four* of the following :   16

(i) Creating Loops in PL/SQL program.
(ii) Cursors in PL/SQL.
(iii) Built-in-exceptions in PL/SQL.
(iv) Flow control in PL/SQL.
(v) Error handling.
(vi) User defined exceptions in PL/SQL.

Unit-V

5. (a) Write a PL/SQL code block to find the simple interest.   8

(b) Describe the oracle backup and recovery procedure.   8

Or

(a) Explain and illustrate the procedure for importing and exporting a table in ORACLE.   8

(b) Write explanatory short notes on any *two* of the following :   8
   (i) Data base triggers.
   (ii) Difference between procedure and function.
   (iii) Oracle back up and its use.
   (iv) Exporting data base in oracle.