

Exam Code: 0005

Sub. Code: 0486

2021

B.A./B.Sc. (General) Fifth Semester

Computer Applications

CA-10: Database Management Using Oracle

Time allowed: 3 Hours

Max. Marks: 30

NOTE: Attempt five questions in all, including Question No. IX (Unit-V) which is compulsory and selecting one question each from Unit I - IV.

x-x-x

UNIT - I

- I. Discuss the architecture of database specifying the role of each layer. (6)
- II. What is the significance of normalization? Explain the concept of 1NF, 2NF and 3NF with suitable example. (6)

UNIT - II

- III. Create a table student with attributes RNo, Name, Class, Marks, Phone, address and populate it with minimum 5 records. Write SQL query to List the students with Marks greater than 50 % and less than 60% from a specified class B.Sc. (6)
- IV. Write a note on:-
a) Query aggregate function
b) Creation and deletion of views (2x3)

UNIT - III

- V. Explain the following:-
a) Commit and Rollback
b) Arithmetic functions (2x3)
- VI. Discuss querying multiple tables using Equi Join, Cartesian Join and Self Join with example. (6)

UNIT - IV

- VII. Describe the architecture of PL/SQL along with its block structure in detail. (6)
- VIII. Explain in detail the conditional and iterative control available in SQL with suitable examples. (6)

P.T.O.

(2)

UNIT – V

IX. Attempt the following:-

- a) What is the role of foreign key?
- b) Define NULL Value.
- c) What is Union operator?
- d) List major data types in PL/SQL.
- e) Distinguish between implicit and explicit cursor attributes.
- f) Define predefined exceptions.

(6x1)

x-x-x

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