

Exam. Code : 103204

Subject Code : 1121

B.A./B.Sc. 4th Semester

COMPUTER APPLICATION

(Relation Database Management System & Oracle)

Time Allowed—Three Hours] [Maximum Marks—75

Note :— Attempt **FIVE** questions in all by selecting at least **ONE** from each Unit I, II and III. All questions carry equal marks.

UNIT—I

1. (a) What are advantages and disadvantages of RDBMS over DBMS ? Explain. 8
(b) How do you normalize the data through 2nd and 3rd normal forms ? Explain through example. 7
2. (a) Draw comparison of Hierarchical and Network models in detail. 8
(b) Draw difference between DDL and DML. 7
3. (a) Explain char, date, numbers data_types with suitable examples. 8
(b) Explain “Create View”, “Create Index” and “Create Table” with suitable examples. 7

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(Contd.)

UNIT—II

4. (a) Explain the various "Select" commands (any four) with examples. 8
- (b) Explain any three Data Control commands. 7
5. (a) What is subquery ? How are they generated ? Create a subquery with 2 levels. 2+2+4
- (b) Explain various character functions in detail. 7
6. (a) Explain various aggregate functions with examples. (any four) 8
- (b) Why conversion functions are used ? Explain any two of your choice. 2+5

UNIT—III

7. (a) Why reporting is required ? How reporting is done using SQL plus ? Explain. 2+6
- (b) Why PL/SQL is used ? Explain its various advantages. 7
8. (a) Draw relationship between PL/SQL and SQL. 8
- (b) Explain "% type attribute" and "if else ends if" statement with examples. 7