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

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