

Exam. Code : 103204

Subject Code : 1101

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

COMPUTER APPLICATION

(Relation Database Management Systems & Oracle)

Time Allowed—Three Hours] [Maximum Marks—75

Note :— (1) Attempt *five* questions in all by selecting at least *one* from each of Units I, II and III.

(2) All questions carry equal marks.

UNIT—I

- 1. (a) Explain 3GL and 4GL with suitable examples. 4+4
- (b) How relational data model is used to design RDBMS systems ? Explain through example. 7
- 2. (a) Explain various features of SQL in detail. 8
- (b) Explain the role of query processor and database manager. 7
- 3. (a) Explain various data types with examples. 8
- (b) Write any three DDL commands. 7

UNIT—II

- 4. (a) Explain any three operations carried-out in data manipulation language with examples. 8
- (b) Define query. How subqueries are generated and used ? Explain. 2+5
- 5. (a) Why data control language is used ? Explain any two operations of DCL. 2+6
- (b) Explain various conversion functions in detail. 7
- 6. Explain :
 - (a) Substitution variables 3
 - (b) Date and time functions 3
 - (c) Any three aggregate functions 3
 - (d) Any three character functions 3
 - (e) Any three arithmetic functions. 3

UNIT—III

- 7. How do you access the following reporting features in SQL plus ?
 - (a) Char formats 3
 - (b) Column breaking with different spacing 3
 - (c) T Title 3
 - (d) B Title 3
 - (e) Page and line size. 3
- 8. (a) What are the various advantages of SQL over PL/SQL ? 8
- (b) How “if statement” is applied in PL/SQL ? Explain through example. 7