

[2]

Roll No.

Unit—III

D-3712

B. Sc. (Part III) EXAMINATION, 2020

COMPUTER SCIENCE

Paper Second

(DBMS and RDBMS)

Time : Three Hours]

[Maximum Marks : 50

Note : Attempt any *two* parts from each question. All questions carry equal marks.

Unit—I

1. (a) What is DBMS ? Explain the structure of DBMS.
- (b) What is E-R diagram ? Draw E-R diagram for college management system.
- (c) What do you mean by keys ? Explain primary key, foreign key and candidate key in detail.

Unit—II

2. (a) What is RDBMS ? How is it different from DBMS ? Explain using example.
- (b) What is relational algebra ? Explain its basic operations.
- (c) What is Normalization ? Explain 1NF, 2NF and 3NF using example.

(B-4) P. T. O.

3. (a) What is ORACLE ? Write about its latest version. Explain its various data type.
- (b) Write short notes on the following :
 - (i) View
 - (ii) SQL
 - (iii) DROP command
 - (iv) Joins
- (c) Explain DDL, DML and DCL commands using example.

Unit—IV

4. (a) What is Event ? Why VB is known as event driven programming language ?
- (b) Write a program in VB to create a simple calculator.
- (c) Write short notes on the following :
 - (i) IF-then
 - (ii) Select case
 - (iii) Function
 - (iv) Procedure

Unit—V

5. (a) What is DAO control ? Explain ADO in detail.
- (b) What is DATA report ? How is a report generated in VB ?
- (c) Write short notes on the following :
 - (i) Data grid
 - (ii) MDI
 - (iii) Connection object
 - (iv) Record object

D-3712

0

(B-3)