

AJ-1208
B.Sc. (Part-III)
Term End Examination, 2021-22
Computer Science
(Paper-II)

Time : 3 hrs.]

[Maximum Marks : 50

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

[Unit-I]

1. (a) Explain the role of database administrator in detail.
- (b) What do you mean by database ? Explain the advantages of database management system.
- (c) Define entity-relationship (E-R) model. Explain the terms entity, entity type, and entity set in database management system.

[Unit-II]

2. (a) Define normalization. Explain 3NF and BCNF in detail.
- (b) What are the pitfalls in relational database design?
- (c) Explain domain relational calculus in detail.

[Unit-III]

3. (a) Explain inserting, deleting and updating rows in a table.
- (b) What is views ? Explain dropping and retrieving data from views.
- (c) Explain triggers in PL/SQL.

[Unit-IV]

4. (a) What is IDE ? Explain events and models in Visual Basic.
- (b) Differentiate between sequential and random access file.
- (c) Write a Visual Basic program to explain select case statement.

[Unit-V]

5. (a) Explain the concept of DAO and ADO.
- (b) Explain data list and data grid with suitable example.
- (c) Explain ADO events in the data report.