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**B.Sc. (Part - III) Examination, 2022
(Old/New Course)
COMPUTER SCIENCE
Paper Second**

*Time : Three Hours]**[Maximum Marks:50*

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

Unit - 1

1. a) Explain, how many types of data models are available in DBMS?
- b) Explain the architecture of DBMS.
- c) Describe the different types of database language.

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Unit - 2

2. a) Write any two operations of relational algebra.
- b) Explain 3NF with example
- c) What is functional dependency? Explain with suitable example.

Unit - 3

3. a) What do you mean by integrity constraint?
- b) Explain alter command with example.
- c) Write a PL/SQL program to multiply two numbers.

Unit - 4

4. a) What is IDE in visual basic?
- b) Describe all the data types available in Visual Basic.
- c) What is array? How to create and use array? What is dynamic array?

Unit - 5

5. a) Explain ADO object Model.
- b) Write steps to create data report using date

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environment.

- c) Explain data list and data combo control with its properties, methods and events.