

Computer Science (Theory)

Attempt FIVE Questions in all. Section A is Compulsory. Attempt any TWO Questions from Section B and TWO from Section C.

SECTION-A

1- Give short answers to any TEN of the following:

1x10

- i) What is the purpose of name property of a control?
- ii) What is visual basic event? Give some example.
- iii) How can the user continue a very long basic statement to another line?
- iv) Which type of information can be used in a comparison?
- v) What is the purpose of the timer control?
- vi) What is standard code module?
- vii) What is the role of a label in error handling?
- viii) What is recordset object?
- ix) What is the major drawback of personal database?
- x) What is data dictionary?
- xi) Define relationship. Give example.
- xii) What is a view? How it is related to data independence?
- xiii) What is the purpose of like operator?

SECTION-B

- 2- a) What is structured programming? Write down its advantages and disadvantages. 7
 b) Explain in detail, the properties of form objects. 8
- 3- a) Write a note on: i) Extended IF-Then-Else Structure ii) Select-Case Structure 8
 b) Write a program that inputs starting and ending numbers and option from the user. If the option is "E", it displays all even number in the given range and their sum. If option is "O", it displays all odd numbers in the given range and their sum. 7
- 4- a) What is common dialog boxes? Explain its types and features of common dialog boxes. 8
 b) Write a program that gets 3-digit number from the user and displays it in reverse order. For example, if the user enters 123, it should display it as 321. 7
- 5- a) What is data access object (DAO)? Explain the hierarchy of DAO. 8
 b) What is Menubar and Submenu? Explain its important properties. 7

SECTION-C

- 6- a) Explain in detail, the different advantages of Database Approach. 8
 b) Briefly describe different types of Attributes. 7
- 7- a) What is Relational Database Management System (RDMS)? Explain main components of RDBMS. 8
 b) What is Network Model? Write down the characteristics of network model. 7
- 8- a) What is Join? Explain different types of joins with examples. 8
 b) Define Structural Query language. Explain its features. 7
- 9- a) What is Client-Server Architecture? Write down the advantages of Client-Server System. 8
 b) What is Relation? Write down its properties. 7