

Roll No.

DD-474

**M. Sc. (Second Semester)
EXAMINATION, May-June, 2020**

COMPUTER SCIENCE

Paper Third

(Programming in Visual Basic)

Time : Three Hours

Maximum Marks : 100

Note : Attempt all the *five* questions. Attempt *two* parts out of three parts given in every question. All questions carry equal marks.

Unit—I

1. (a) Write the Visual Basic program for accepting two numbers and calculate HCF.
- (b) Write a program in Visual Basic to check whether given number is even or odd.
- (c) Write short notes on the following :
 - (i) Hierarchy of operations
 - (ii) Looping with while-wend

Unit—II

2. (a) What is Menu ? How is menu different from popup-menu. Create a popupmenu for color red, blue and green.

- (b) Write a program that display the current date and time on the title bar. The time should be refreshed each second.
- (c) Write the short notes on following :
 - (i) Visual Basic Control Tools
 - (ii) Assigning Properties Collectively

Unit—III

- 3. (a) Write a Visual Basic program to store five elements (11, 22, 33, 44, 55) and display the stored record in ascending order by using an array.
- (b) What do you mean by procedures ? Explain the event procedure and function procedure with example.
- (c) Write short notes on the following :
 - (i) Error handlers
 - (ii) Object oriented principles

Unit—IV

- 4. (a) What do you mean by COM ? Explain the Active-X components.
- (b) Write the steps to create an Active-X control by using one example.
- (c) Write short notes on the following :
 - (i) Active-X DLL and EXE
 - (ii) Managing Components

Unit—V

- 5. (a) Write the steps for making connectivity with access database using ADO in Visual Basic. [Assume your own fields and data].

- (b) Write a program to create a file containing the name, age, number of run scored and number of matches played by cricket players and to display it in a proper format.
- (c) Write short notes on the following :
 - (i) Cursor types
 - (ii) Creating Dynamic Record Sets