

Roll No.

Total Pages : 3

GSM/M-20

1638

COMPUTER APPLICATIONS

(Programming in Visual Basic)

Paper-II

Time Allowed : 3 Hours]

[Maximum Marks : 40

Note : Attempt **five** questions in all, selecting at least **one** question from each Unit. Question No. 1 is compulsory. All questions carry equal marks.

Compulsory Question

1. (a) Differentiate between visual and non-visual programming.
- (b) Explain the Print statement in Visual Basic.
- (c) How are items added and removed in a collection?
- (d) Differentiate between optional and named arguments.

UNIT-I

2. Explain the concept and features of object-based event-oriented languages. How can you say VB is such type of a language?

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3. Discuss the following in VB using examples :

- (a) Menu bar
- (b) Tool bar
- (c) Form designer
- (d) Form layout
- (e) Immediate window.

UNIT-II

4. Explain with examples various ways of defining/declaring variables in VB. Also discuss various data types of VB.

5. (a) Discuss various types of operators used in VB.

(b) Discuss the following in VB :

(i) Message box.

(ii) Input box.

UNIT-III

6. What do you understand by array? How arrays can be created in VB? Explain with examples various types of arrays in VB.

7. Discuss the following in VB using suitable examples:

- (a) If statement
- (b) If-then-else
- (c) Do-loop
- (d) For-next
- (e) Exit statement.

UNIT-IV

8. Differentiate between :

- (a) Function and Subroutine
- (b) Load and Unload events
- (c) Activate and Deactivate events.

9. Write a program in VB to create a simple calculator having basic function like addition, subtraction, multiplication, division, clear, etc. Also show the design of form and how will you create this form.