

E 7197

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Reg. No.....

Name.....

B.Sc. DEGREE (C.B.C.S.S.) EXAMINATION, MARCH 2014

Fourth Semester

Complementary Course : Computer Science

VISUAL PROGRAMMING TECHNIQUES

(Common for B.Sc. Mathematics, Model I B.Sc. Statistics, B.Sc. Industrial Microbiology and Zoology and B.Sc. Petrochemicals)

Time : Three Hours

Maximum Weight : 25

Part A

Answer all questions.

Each bunch of four questions carries a weight of 1.

I. 1. What does IDE stand for ?

- (a) Integrated Development Environment.
- (b) Integrated Design Environment.
- (c) Interior Development Environment.
- (d) Internal Development Environment.

2. Which does the solution explorer not display ?

- (a) Form Properties.
- (b) Reference folder.
- (c) Form file.
- (d) Assemble file.

3. What is the code to close a form ?

- (a) Form.Exit().
- (b) Form.Close().
- (c) Me.Close().
- (d) Me.Clear().

4. If you want to display text which cannot be modified by the user, use the :

- (a) Label control.
- (b) Text Box control.
- (c) Name control.
- (d) Caption control.

II. 5. Which is true about txtName.Text ?

- (a) The property is txtName.
- (b) The object is Text.
- (c) The property is Text.
- (d) Both answers (a) and (c) are correct.

Turn over

6. Which type of procedure returns a value ?
- (a) Sub Procedure. (b) Procedure.
(c) Function. (d) ByVal.
7. When using the logical operator "Or", what part of the expression must be true ?
- (a) Only the left part.
(b) Only the right part.
(c) Either the left or right part, but not both.
(d) Either the left or right part.
8. Visual Basic responds to events using which of the following :
- (a) Code procedure. (b) Event procedure.
(c) Form procedure. (d) Property.
- III. 9. A memory location that changes during project execution is known as _____.
10. The _____ event occurs before the form is displayed.
11. The _____ control provides capabilities of both the text box and the list box.
12. A constant in visual basic is declared using the keyword _____.
- IV. 13. For data with a limited number of items that are not mutually exclusive, use the _____ control.
14. The maximum number of items a user can select from a combo box is _____.
15. Arrays are declared using the keyword _____.
16. Menus are designed using _____.

(4 × 1 = 4)

Part B

*Answer any five of the following.
Each question carries a weight of 1.*

17. What is an event in visual basic ?
18. What do you mean by implicit and explicit declaration of variables ?
19. Differentiate QueryUnload and Unload in a form.
20. What is the purpose of input box in visual basic ? Give example.

21. What is the difference between Flexgrid and Dbgrid controls ?
22. Write short note on DAO.
23. What is the purpose of OLE ?
24. What is the difference between toolbox and toolbar ?

(5 × 1 = 5)

Part C

*Answer any **four** of the following.
Each question carries a weight of 2.*

25. Explain Do...Loop and While.... Wend with example.
26. What is procedure ? Define the scope of private and public procedure with example.
27. Differentiate :
 - (a) Picture box and Image box.
 - (b) Combo box and List box.
28. What are control arrays ? Explain how it can be created ?
29. Write not on MDI applications in visual basic.
30. What are ADO objects ? Explain. Provide a scenario using three of them to return data from a database.

(4 × 2 = 8)

Part D

*Answer any **two** of the following.
Each question carries a weight of 4.*

31. Explain visual basic integrated development environment.
32. How will you create a form in visual basic ? Explain important properties and events of forms.
33. Write a sample program in visual basic that provides options to add, update and delete student details (reg_no, name and course) to a database.

(2 × 4 = 8)