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B.Sc. DEGREE (C.B.C.S.S.) EXAMINATION, MARCH 2017

Fourth Semester

Complementary Course—Computer Science

VISUAL PROGRAMMING TECHNIQUES

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

(2013 Admission Onwards)

Time : Three Hours

Maximum Marks : 60

Part A

Answer **all** *questions in* **one** *sentence.*
Each question carries 1 mark.

1. What is data ?

2. What are the events that will occur when a form is first loaded into memory ?

3. What do the terms bug and debug mean ?

4. List out controls which do not have events.

5. What is the size of a variant data type ?

6. Which are the controls that cannot be placed in MDI form ?

7. What is the purpose of passwordchar property ?

8. Differentiate toolbox and toolbar.

(8 × 1 = 8)

Part B

Answer any **six** *questions in one* **or** *two sentences.*
Each question carries 2 marks.

9. List the use of immediate window.

10. What are entry controlled loops ?

11. Explain arrays in Visual Basic with example.

12. What is the use of project explorer window ?

13. Differentiate messagebox and inputbox.

14. Explain the events and methods of a scrollbar.

Turn over

15. Explain :

   (i) Drive listbox.

   (ii) Directory listbox.

16. What is the difference between image and picturebox controls ?

17. What are control arrays ? How can you create them ?

18. Differentiate datagrid and flexgrid controls.

(6 × 2 = 12)

Part C

*Answer any **four** questions in 50 words.*
Each question carries 4 marks.

19. What are the advantages of visual programming ? Why is it called event driven programming ?

20. Write note on data types and variable declaration in Visual Basic.

21. What is a subroutine in Visual Basic ? Explain with example.

22. Write note on :

   (i) List box.

   (ii) Combo box.

23. Explain timer control with an example.

24. What are data bound controls ? Explain.

(4 × 4 = 16)

Part D

*Answer any **two** questions in 100 words.*
Each question carries 12 marks.

25. Explain Visual Basic IDE.

26. Explain decision making statements and looping structures in Visual Basic.

27. Write note on form control with its important properties, methods and events.

28. Describe various steps involved to access the data from a data base in Visual Basic with the help of an example.

(2 × 12 = 24)