B.C.A./B.Sc. DEGREE (C.B.C.S.S.) EXAMINATION, APRIL 2016

Fourth Semester

Core Course—VISUAL PROGRAMMING TECHNIQUES

(For B.C.A. and B.Sc. Computer Applications (Triple Main))

[2013 Admission onwards]

Time : Three Hours   Maximum Marks : 80

Part A

*Answer **all** questions.*
Each question carries 1 mark.

1. What is the purpose of project explorer ?

2. Write the syntax for using constants in VB.

3. List the different types of errors.

4. What is the storage size of decimal data type ?

5. What are control arrays ?

6. What is an event ?

7. What are objects in VB ?

8. Name the property used to ride the textbox control.

9. What is an SQL query ?

10. What is OLEDB ?

(10 × 1 = 10)

Part B

*Answer any **eight** questions.*
Each question carries 2 marks.

11. What are logical operators ?

12. What is the purpose of immediate window ?

13. What is a form ?

14. List any *three* mouse events and write their purpose.

15. Differentiate implicit and explicit declaration of variable.

16. What is the purpose of print statement ?

Turn over

17. Explain Msgbox function.

18. Name the two important properties of a data control.

19. What is the purpose of Timer Control ?

20. What is MDI ?

21. What is call by value ?

22. Define recordset.

(8 × 2 = 16)

Part C

Answer any **six** *questions.*
Each question carries 4 marks.

23. Explain the data types in VB.

24. Explain the branching statements in VB.

25. Explain the properties of textbox.

26. Create a VB application to generate first n prime numbers.

27. Explain the error handling techniques in VB.

28. Explain DAO.

29. Explain object oriented programming in VB.

30. Create a VB application to sort a set of numbers.

31. Explain menu editor in VB.

(6 × 4 = 24)

Part D

Answer any **two** *questions.*
Each question carries 15 marks.

32. Explain IDE components.

33. Explain looping statements with examples.

34. Create a VB application to maintain students records.

35. Explain report generation using crystal reports.

(2 × 15 = 30)