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Reg. No....................................

Name..

B.C.A./B.Sc. DEGREE (C.B.C.S.S.) EXAMINATION, NOVEMBER 2022

Fourth Semester

Core Course—VISUAL PROGRAMMING TECHNIQUES

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

[2013—2016 Admissions]

Time : Three Hours

Maximum Marks : 80

Part A

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

1. What is GUI ?

2. What are the steps in Visual Basic to delete an existing project ?

3. What is OLE ?

4. What is a form ?

5. What is a class ?

6. What is a sub-routine ?

7. What is list box ?

8. What is a toolbar ?

9. What is a radio button ?

10. What is SDI ?

$(10 \times 1 = 10)$

Part B

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

11. What are the different types of errors in Visual Basic?

12. What are keyboard events ?

13. What is the difference between an object and class ?

14. What is Horizontal ScrollBar ?

Turn over

15. What is a message box ?

16. What is a combo box ?

17. What is a timer ?

18. What is a frame ?

19. What is a function ?

20. What is call by value ?

21. What is a menu ?

22. What is MDI ?

$(8 \times 2 = 16)$

Part C

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

23. Explain conditional statements in VB.

24. Explain looping statements in VB.

25. What is the process of handling runtime errors in VB ?

26. Explain queries in VB.

27. Explain the process of debugging in VB.

28. Write a VB program to find calculate simple interest and total amount.

29. Explain in detail the process of creating queries in VB ?

30. Explain in detail how reports are created in VB using crystal reports.

31. What is the application of deployment wizard ?

$(6 \times 4 = 24)$

Part D

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

32. Explain variables in VB with examples and illustrations.

33. Explain various types of collections in VB with examples and illustrations.

34. Explain VB data controls in detail with examples and illustrations.

35. Explain advanced data access methods in VB in detail with examples and illustrations.

$(2 \times 15 = 30)$