Q.P. Code – 68502

Fifth Semester B.C.A. Degree Examination, October/November 2019

(CBCS Scheme)

Computer Science

DOT NET WITH C#

Time : 3 Hours] *[Max. Marks : 90*

Instructions to Candidates : Answers ALL Sections.

SECTION – A

I. Answer any **TEN** questions : **(10 × 1 = 10)**

1. What is DOT NET?
2. What is JIT?
3. What is array list?
4. Give example for checked operator.
5. What is destructor?
6. What is sealed class?
7. What is exception?
8. What is event?
9. What is MDI?
10. What is ADO.NET?
11. What is interface?
12. What is OLEDB?

SECTION – B

II. Answer any **FIVE** questions : **(5 × 3 = 15)**

13. Explain MSIL.
14. Explain structure of C# program.
15. Explain creation of class and objects in C#.

16. What is inheritance? Mention the types of inheritance supported by C#.

17. Explain properties windows.

18. What is form in windows programming?

19. Write a program to check a number is palindrome or not.

SECTION – C

III. Answer any **SIX** questions : **(6 × 5 = 30)**

20. Explain DOT NET framework.

21. Explain boxing and unboxing with example program.

22. Explain foreach statement with example.

23. What is constructor? Explain types of constructor in C# programming.

24. With a program explain exception handling mechanism in C# program.

25. Explain life cycle of thread.

26. Explain component of Microsoft visual Studio IDE.

27. Explain the advantages of ADO NET.

SECTION – D

IV. Answer any **FIVE** questions : **(5 × 7 = 35)**

28. (a) Explain how C# different from other programming language.

    (b) Explain classification of data types in C#. **(3 + 4)**

29. (a) Explain different access specifiers in C#.

    (b) Explain switch case statement with example. **(3 + 4)**

30. Explain different types of arrays in C#.

31. (a) Differentiate between method over loading and overriding.

    (b) Explain virtual keyboard with example program. **(3 + 4)**

32. (a) Illustrate static members in C#.

    (b) Explain implementation of stack. **(3 + 4)**

33. Explain any three properties and events of textbox, label and command button.

34. Explain the architecture of ADO.NET.
