22525/E 250

Reg. No. | | | | | | | | |

V Semester B.C.A. 2 Degree Examination, Nov./Dec. 2016
.NET FRAMEWORK USING C
(Repeater)

Time : 3 Hours Max. Marks : 80

Instructions *: 1)* ***All*** *questions are* ***compulsory****.*

2) Draw ***neat*** *diagrams* ***wherever*** *necessary.*

SECTION – A

Answer **any 10** questions of the following : **(2×10=20)**

1. What is C# ?
2. Expand CLR and CLS.
3. What is an assembly ?
4. What are bugs and user errors ?
5. Define containment.
6. What is Jagged arrays ?
7. Define events in C#.
8. Mention any two enumerable types in C#.
9. What do you mean by boxing and unboxing in C# ?
10. Write any two key members of system. IO name space.
11. Mention any two types of exceptions used in C#.
12. Differentiate between class and interface.

P.T.O.

SECTION – B

Answer **any 6** questions of the following : **(5×6=30)**

13. Explain the key features of C#.

14. Explain the role of .NET exception handling.

15. Write a program to demonstrate a basic calculator using command line arguments.

16. Define polymorphism. Explain polymorphic support in C#.

17. What is interface ? Explain with example how we can implement interface in C#.

18. Explain different types of assemblies.

19. Explain the main advantages of C# events.

20. Write a program in C# to demonstrate error handling.

SECTION – C

Answer **any 3** questions of the following : **(3×10=30)**

21. Define Delegate. Explain different types of delegates used in C# with example.

22. Explain various pillars of OOP.

23. Explain shared assemblies and private assemblies in detail with example.

24. Write a C# program to accept a string and then check whether each word is palindrome or not.

25. Write a C# program to demonstrate the use of in, out and ref variables.