



22525/E 250

Reg. No.

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**V Semester B.C.A.2 Degree Examination, Nov./Dec. 2018**  
**.NET FRAMEWORK USING C#**  
**(Repeater)**

Time : 3 Hours

Max. Marks : 80

- Instructions :**
- 1) *All Sections are compulsory.*
  - 2) *Write the syntax and examples wherever necessary.*
  - 3) *Draw diagrams wherever necessary.*

**SECTION – A**

Answer **any 10** of the following :

**(2×10=20)**

1. Mention the use of read only members.
2. What is a partial class ?
3. Define exception. Give an example.
4. What is .NET Assembly ? Mention the types.
5. Compare sealed class with an abstract class.
6. List any two members of System.Environment Class.
7. What is the significance of Stream Reader and Stream Writer class.
8. What are Nullable types ?
9. What is an event in C# ? Give the syntax.
10. Mention any 4 applications of C#.
11. What is an inner exception ? Give an example.
12. What are properties in C# ? Give an example.

**SECTION – B**

Answer **any 6** of the following :

**(6×5=30)**

13. Describe with a neat diagram the building blocks of .NET platform.
14. Explain Boxing and Onboxing with an example.
15. Write a C# Program to demonstrate the use of System.Environment Class.
16. Explain the following members of Exception Class.
  - a) Helplink
  - b) Targetsite
  - c) Source
  - d) Message.

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17. What is a Delegate ? Describe the syntax of delegate declaration and instantiation with an example.
18. Explain briefly the following :
- a) Single File Assembly.
  - b) Anonymous Method in C#. **(3+2=5)**
19. What is an interface ? Write a C# program to implement an interface.
20. Differentiate between Method Overloading and Method Overriding.

## SECTION – C

- Answer **any 3** of the following : **(3×10=30)**
21. a) Explain briefly : **(2×5=10)**  
C# Inheritance Support
- b) C# Casting rules.
22. a) Explain the various decision making constructs in C#. **5**  
b) Write a C# program to perform any 5 string operations. **5**
23. Describe the steps involved in building
- a) Single file assembly. **5**
  - b) Multi file assembly, with an example each. **5**
24. Discuss the creation of following array types in C# with examples each. **10**
- a) Single Dimensional Array.
  - b) Multi-Dimensional Array.
  - c) Tagged Arrays.
25. Write short notes on the following : **10**
- a) Enumeration.
  - b) Data types in C#.
  - c) Run-time polymorphism in C#.
  - d) Hiding methods.
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