

**B.Sc. Part – III Semester – V (CBCS)**  
**Examination March, 2022**  
**Computer Science (Paper X)**  
**C# Programming**  
**Sub. Code: 79729**

**Day and Date:**

**Total Marks: 40**

**Time:**

*Instructions: 1) All Questions are compulsory  
2) Figures to the right indicate full marks*

---

**Q.1. Select the correct alternative and rewrite the statement.**

**[8]**

- a) CLR is responsible for \_\_\_\_\_?
  - i. Garbage-collector
  - ii. Code access security
  - iii. Code verification
  - iv. All of these
  
- b) What does the term “boxing” mean in .net?
  - i. Convert value type to object
  - ii. Convert reference type to value type
  - iii. Convert the primitive type into a value type
  - iv. Convert value type into primitive type
  
- c) The metadata of the .Net assembly is stored in which file?
  - i. .dll
  - ii. .exe
  - iii. manifest
  - iv. core
  
- d) CTS (Common Type System) manages \_\_\_\_\_?
  - i. A Communication between different languages
  - ii. Types of values
  - iii. Types of reference
  - iv. All data types in .net

- e) The code that runs under CLR is called \_\_\_\_\_?
  - i. Managed code
  - ii. Unmanaged code
  - iii. Byte Code
  - iv. Source code
  
- f) C# has \_\_\_\_\_ operator, useful for making two way decisions.
  - i. Looping
  - ii. Functional
  - iii. Exponential
  - iv. Conditional
- g) C# treats the multiple catch statement like cases in a \_\_\_\_\_ statement.
  - i. If
  - ii. Switch
  - iii. For
  - iv. While
- h) When an instance method declaration includes the abstract modifier, the method is said to be an \_\_\_\_\_.
  - i. Abstract method
  - ii. Instance method
  - iii. Sealed method
  - iv. Expression method

**Q.2.Attempt Any Two**

**[16]**

- a) What is loop? Explain the different looping statements used in C#.
- b) Define inheritance. Explain its types with suitable example.
- c) Draw a neat labeled diagram of IDE and explain its components.

**Q.3. Attempt Any Four**

**[16]**

- a) Explain partial class with suitable example.
- b) How exception is handled in C#? Give its suitable example.
- c) What is boxing and unboxing in C#.NET.
- d) Write the features of C#.NET
- e) Explain the different terms .exe and .dll
- f) What is the role of CLR in .NET Framework.