

B.SC(IT) SEMESTER - 4 (NEP-2020) Examination**March/April-2026****Programming with C#.Net (Minor-3)****Time: 2:00 Hours****Marks:50****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

Que.1 Answer the following questions (Any Two Out of Four) (10)

- 1) Explain architecture of .NET framework with diagram.
- 2) Explain different types of operators in C#.
- 3) What is array in C#? Explain different types of array with example of any one type of array.
- 4) Explain with examples: different types of Decision statements in C#.

Que.2 Answer the following questions (Any Two Out of Four) (10)

- 1) What is Encapsulation? Explain Different types of Access Specifier.
- 2) Explain Constructor and Destructor with example.
- 3) What is Inheritance? Explain Different types of Inheritance with example of Multiple Inheritance.
- 4) What is Polymorphism? Explain Static and Dynamic Polymorphism.

Que.3 Answer the following questions (Any Two Out of Four) (10)

- 1) Explain Message Box with all its methods.
- 2) Explain List Box with its property and method.
- 3) Explain Radio Button with its property with example.
- 4) Explain Color Dialog Box with its property with example.

Que.4 Answer the following questions (Any Two Out of Four) (10)

- 1) Write a Note on ADO.NET and Data Providers.
- 2) Explain Crystal Report and describe the use of Reporting in Windows Programming.
- 3) Explain Various Sections of Crystal Reports.
- 4) Explain Connected and Disconnected architecture in C#.

Que.5 Answer the following questions (Any Two Out of Four) (10)

- 1) Explain features of .Net Architecture.
- 2) Explain Interface with example.
- 3) Explain Scroll Bar with its property with example.
- 4) Explain User Control with property, Method and Event.
