

B.C.A 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.

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- Que.1 Answer the following questions (Any Two) (10)
- 1) Explain architecture of .Net Framework.
 - 2) Explain mutable and immutable Strings with example.
 - 3) Explain data types of C#.
 - 4) Explain one dimensional, rectangular and jagged array in C#.
- Que.2 Answer the following questions (Any Two) (10)
- 1) Explain encapsulation, inheritance and polymorphism in C#.
 - 2) Explain constructors and destructors.
 - 3) Explain overriding methods with example.
 - 4) Explain events with event delegate.
- Que.3 Answer the following questions (Any Two) (10)
- 1) Explain forms and its properties.
 - 2) Explain adding events with event parameters.
 - 3) Explain concept of inheriting forms with example.
 - 4) Explain Button, Label and TextBox control with example.
- Que.4 Answer the following questions (Any Two) (10)
- 1) Explain SqlCommand class with an example.
 - 2) Explain ADO.NET Architecture.
 - 3) Explain creating crystal reports.
 - 4) Explain concept of GridView programming.
- Que.5 Answer the following questions (Any Two) (10)
- 1) Explain Arithmetic, Relational and Bitwise operators in C#.
 - 2) Explain different collections in C#.
 - 3) Explain MessageBox with DialogResult class.
 - 4) Explain user control with methods and events.
