

**Bachelor of Science (Information Technology) (I.T) (Semester—V) Examination****DOT NET FRAMEWORK AND C#****Paper—2**

Time : Three Hours]

[Maximum Marks : 50

**N.B. :—** (1) **ALL** questions are compulsory and carry equal marks.

(2) Draw well labelled diagrams wherever necessary.

**EITHER**

1. (a) Explain various characteristics of C# programming language. 5
- (b) List various components of CLR. Explain the use of CLR. 5

**OR**

- (c) Explain the architecture of .Net Framework. 5
- (d) Write short notes on :
  - (i) CLS
  - (ii) MSIL. 5

**EITHER**

2. (a) Explain various data types supported by C#. 5
- (b) Write a program in C# to display a string “Hello” also explain each line of instructions in program. 5

**OR**

- (c) Write a program in C# to illustrate single inheritance. 5
- (d) Differentiate between overloading and overriding. 5

**EITHER**

3. (a) Write a program in C# to find the factorial of given number. 5
- (b) Explain console Input and Output with suitable example. 5

**OR**

- (c) Write a program in C# to Swap two numbers. 5
- (d) Write steps for creating windows forms in C#. 5

**EITHER**

4. (a) What is web service ? Explain web services provided by C#. 5
- (b) Explain any five server side ASP.NET form controls. 5

**OR**

- (c) Write steps to create login web form. 5
- (d) What is attribute ? How it is used in compilation of C# .Net program ? Explain. 5

5. (a) Explain Framework Base classes. 2½
- (b) Explain type conversion in C#. 2½
- (c) What is error ? Explain various types of it. 2½
- (d) What is generic in C# ? Explain features of generic. 2½