

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

Time : Three Hours]

[Maximum Marks : 50

Note :— (1) All questions are compulsory and carry equal marks.

(2) Draw neat and labelled diagrams wherever necessary.

EITHER

1. (A) Explain structure of .NET Framework with suitable diagram. 5
- (B) Explain compilation process in .NET. 5

OR

- (C) What is common language runtime ? Explain. 5
- (D) Explain the need of Microsoft Intermediate Language (MSIL) in .NET. 5

EITHER

2. (A) What is an array ? Explain Jagged array in C#. 5
- (B) What is inheritance ? What are the different inheritances supported in C# ? Explain multiple inheritance with its syntax. 5

OR

- (C) What is operator overloading ? Explain binary operators in C#. 5
- (D) What is type conversion ? Explain different types of type conversion in C#. 5

EITHER

3. (A) What is Namespace ? Explain use of namespace with example. 5
- (B) Explain the concept of Multi-threading in C#. 5

OR

- (C) What is Error ? Explain error handling process in C#. 5
- (D) Explain Windows Forms in detail with example. 5

EITHER

4. (A) Differentiate between Web Services and Window Services. 5
- (B) Explain different distributed applications in C#. 5

OR

- (C) Explain any one distributed application in detail with example. 5
- (D) Explain private and share assemblies in .NET. 5

5. Attempt **ALL** :

- (a) Explain Just-in time compilation in .NET. 2½
- (b) Explain structure of class in C#. 2½
- (c) Explain Multi-threading in C#. 2½
- (d) What are assemblies ? Explain. 2½