

**Bachelor of Science (Information Technology) (B.Sc. 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 neat and labelled diagram wherever necessary.

**EITHER**

1. (A) What is common language specification ? Give its features. 5
- (B) Explain the features of dot Net technology. 5

**OR**

- (C) What is Microsoft Intermediate Language ? 5
- (D) Explain the working of Just-In-Time (JIT) compilation. 5

**EITHER**

2. (A) Explain different data types in C# with examples. 5
- (B) Write a program which shows multiplication of two-dimensional array. 5

**OR**

- (C) Define class and describe the categories of class members. 5
- (D) Write a program code in C# with shows implementation of multiple interfaces. 5

**EITHER**

3. (A) Explain Input-Output functions in C# with examples. 5
- (B) Write a program code for multi-threading. 5

**OR**

- (C) Explain console I/O operations using examples. 5
- (D) Write steps for creating windows forms in C#. 5

**EITHER**

4. (A) Explain Windows services in detail. 5
- (B) What is ADO dot Net ? Give its features. 5

**OR**

- (C) Explain graphical device interface in C# environment. 5
- (D) What is private and share assemblies ? Give its examples. 5

5. Attempt all :

- (A) Draw a flowchart of CLR activities for executing a program. 2½
- (B) What are the types of inheritance ? Draw well labelled diagrams of each. 2½
- (C) List console Input/Output functions and their purposes. 2½
- (D) Explain Built-In-Attributes. 2½