

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 neat and labelled diagram wherever necessary.

EITHER

1. (A) What is Dot Net ? Explain Dot Net Framework. 5
- (B) Explain Common Language Runtime. 5

OR

- (C) What is Common types system ? Give its advantages. 5
- (D) Define Framework base classes in Dot Net environment. 5

EITHER

2. (A) What is C# ? Give the characteristics of C#. 5
- (B) Give structure of C# program. Explain with example. 5

OR

- (C) What is boxing ? Develop a program to demonstrate the concept of boxing. 5
- (D) Define the following :
 - (i) Object
 - (ii) Classes. 5

EITHER

3. (A) What is name space system ? Give its syntax and example. 5
- (B) What is Multi-Threading ? Give example of multi-threading. 5

OR

- (C) Write a note on the following :
 - (i) Networking
 - (ii) Sockets. 5
- (D) Develop a program code in C# which shows run-time error. 5

EITHER

4. (A) What are Web Services in C# ? Explain any one Web-Service. 5
(B) Explain distributed application in C#. 5

OR

- (C) Write Dot Net assembly features and define its structure. 5
(D) Explain Built in attributes with example. 5
5. Attempt **ALL** :
- (A) Give the features of Dot Net Technology. 2½
(B) Explain polymorphism using C#. 2½
(C) Write a syntax for exception handling code. 2½
(D) What is Graphical Device Interface ? 2½