

Bachelor of Science (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) Explain the origin of .Net technology. 5
- (B) How cross language integration is achieved in .Net ? Explain. 5

OR

- (C) Explain the services provided by CLR. 5
- (D) Write short notes on :—
 - (i) MSIL
 - (ii) Just-in-Time Compilation. 5

EITHER

2. (A) Explain the data types supported by C# .Net. 5
- (B) Write a note on multicast delegates. 5

OR

- (C) Write a C# program to sort a number array. 5
- (D) Explain the usage of interface with suitable example. 5

EITHER

3. (A) Explain methods for obtaining input from the keyboard. Write a program to read a string from the keyboard and display it on the console. 5
- (B) Explain the exception handling mechanism in C# .Net. 5

OR

- (C) What is Thread ? Explain the use of multi-threading. 5
- (D) Write a note on Windows forms. 5

EITHER

4. (A) Write a note on .Net web services. 5
- (B) What is Assembly ? Explain shared assembly in detail. 5

OR

- (C) Explain any three ASP.net web form controls with example. 5
- (D) Write a note on ADO.Net. 5
5. Attempt **ALL** :—
- (A) Explain Garbage collection in .Net. 2½
- (B) Define :
- (i) Polymorphism
- (ii) Operator Overloading. 2½
- (C) Explain General catch handler. 2½
- (D) Explain features of .Net assembly. 2½