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. :— (i)   **ALL** questions are compulsory and carry equal marks.

(ii) Draw neat and well labelled diagrams wherever necessary.

EITHER

1.   (a)   Explain the execution of the **.**NET application and **.**NET framework support for it.   5

(b)   Write short notes :
(i)   Common Type System (CTS)
(ii) Common Language Runtime (CLS)   5

OR

(c)   How multiple language integration is achived by **.**NET framework ?   5

(d)   Discuss in detail Framework Base Class.   5

EITHER

2.   (a)   What is Inheritance ? Write an application in C# to achieve reusability code.   5

(b)   Write short notes on Data Types.   5

OR

(c)   Demonstrate the use of Polymorphism.   5

(d)   Write a program in C# to sort one dimensional Array.   5

EITHER

3.   (a)   How is multi-threading achieved in C#**.**Net ?   5

(b)   What is Networking ?   5

OR

(c)   How will you create a window form in C#**.**Net ?   5

(d)   Write short notes on :

(i)   Name Space

(ii)   User Interface.   5

EITHER

4. (a) What are web services ? Explain the web services provided by C#.   5

     (b) Explain **.**Net Assemblies features.   5

OR

     (c) What is the difference between Built-in attribute and Custom attribute ?   5

     (d) Which are the different ASP**.**Net Web form controls ?   5

5. Attempt All :

     (a) What is MSIL ?   2½

     (b) Explain type conversion.   2½

     (c) Explain error handling.   2½

     (d) What is unsafe mode ?   2½