

SATHYABAMA UNIVERSITY

(Established under section 3 of UGC Act, 1956)

Course & Branch: B.E / B. Tech – CSC/IT (Dual CSE)

Title of the paper: C# and .NET

Semester: V

Max. Marks: 80

Sub.Code: 11602/12606 (2002/2003/2004)

Time: 3 Hours

Date: 30-04-2007

Session: FN

PART – A

(10 x 2 = 20)

Answer ALL the Questions

1. Define common language specification.
2. Write a program code to display the elements of an array using 'for each' statement.
3. How do you prevent inheritance in C#?
4. What is the need of garbage collector?
5. Give the anatomy of a form.
6. List the registry manipulation types.
7. Mention any four properties of textbox with their uses.
8. List any four classes provided by 'System. IO Namespace'.
9. Give a brief account on 'ADO.NET m\Managed Providers.
10. Differentiate between GET and POST methods for submitting the form data.

PART – B

(5 x 12 = 60)

Answer All the Questions

11. (a) With a neat sketch, explain the common language runtime.
(b) Discuss about the advantages of .NET over other languages.

(or)

12. Write notes on variable size array. Write a program in C# to reverse the elements of an array without using Reverse() method of 'System Array' class.
13. Write a program in C# to compare two dates by overloading a suitable operator.
(or)
14. With example, discuss about delegates.
15. Discuss in detail about mouse events. Give examples.
(or)
16. Write a menu driven program in C# with menu items File, Exit and Help.
17. Describe about the properties of Check boxes. Write a program in C# that adds the area of interest of students as Check box options to Group box.
(or)
18. (a) Write a program to create a subdirectory using Directory Info class.
(b) Write a program to read a text file.
19. Explain the following
 - i. Adding a column to a data table.
 - ii. Enabling auto incrementing fields
 - iii. Configuring a column as primary key.
(or)
20. Write a HTML program to create a form that contains the following details rollno, name, age, department, year. Validate the form such that no entry should be empty.