

St. Joseph's College of Arts & Science (Autonomous)

PG & Research Department of Computer Science

III B.Sc., Computer Science

C# .NET TECHNOLOGY

SUBJECT CODE: CS510

Questions

UNIT-I

1. Write a note on Origin of Dot net Technology.
2. Explain the characteristics of C#.
3. List out the activities of CLR.
4. Explain in details about Dot Net framework overview
5. What are the Major Components of Dot net Framework?

UNIT II

6. What are the various Components of CLR
7. What are the types of JIT? Explain.
8. What is a Managed code and unmanaged code
9. List out the various types of Dot net Languages
10. What are the Benefits of Dot net approach
11. Explain the Anatomy of Dot net applications.

UNIT III

12. List out the types of application in C#
13. Illustrate about Visual Studio IDE.
14. Define a variable and write the rule for naming a variables
15. Write a note on Data types in C#.
16. Explain about boxing and unboxing.
17. Explain about type conversion.
18. What is the use of **this** keyword?
19. What are the Operators used in C#. Explain its types.

UNIT IV

20. Explain about the Control Structures in C#.
21. What is Methods? Explain with example.
22. Define Classes. Write a C# program using a class.
23. Explain the use of Namespace. List out any five predefined namespaces.
24. Write a note on Properties.
25. Explain Interface with an example.

UNIT V

26. Write a detailed note on Standard Controls
27. Write about ADO .Net Objects
28. How to Access data using Connection class
29. Explain about
 - i. Command Class

- ii. Connection Class
 - iii. Data Reader Class
30. Data Reader Class (OLEDB Connection).

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C SHARP.NET TECHNOLOGY

UNIT-1

1. Describe the vision and goals of .NET application.
2. Compare and Contrast OLE, COM and .NET technology.
3. Discuss the Dot NET framework and its evolution.
4. Discuss the Dot NET framework overview and architecture.
5. List out and explain about types of applications in C#.
6. Explain in detail about feature of c#

UNIT-2

1. What is CLR? Discuss the CLR and its components.
2. Explain CLR activities for executing a program.
3. Explain the basis of MSIL and JIT in brief
4. Describe briefly about JIT Compilers.
5. What does 'managed code' mean in the .NET context?
6. Anatomy of .Net application?

UNIT-3

1. Discuss Visual Studio IDE environment in detail.
2. What is variable? Explain its dynamic initialization.
3. Write a brief note on drop down list with methods and properties.
4. Explain the variables and expressions in C#
5. Define conversion.

UNIT-4

1. What is class and object? Explain it
2. Explain, how to create a Namespaces in C#.
3. Explain in-detail about Interface.
4. Explain the conditional and looping statements in C# with suitable examples.
5. Describe briefly about switch statement.
6. What is method overloading? Give two examples for the same.
 - i) What are the basic steps in looping process?
 - ii) How does WHILE statement differ from Do statement?

UNIT-5

- 1 .How can you create a database using ADO control?
2. Explain the command class and data reader class with example.
3. Write the components of ADO .NET?
4. What are the differences between dataset and data reader
5. What is Dataset object? Explain the various objects in Dataset.
6. List out the benefits on ADO .NET.
7. Explain the Standard Controls
8. What are the basic methods of Data adapter?
9. Explain, how to establish a database connection using connection object.
10. Explain the properties or the methods used in Connection and Command class.