1.	C# is a programming language, developed by a) Oracle b) Microsoft c) GNU project d) Google
2.	C# runs on the a) .NET Framework b) Java Virtual Machine c) Both A. and B. d) None of the above
3.	C# programming language is used to develop a) Web apps b) Desktop apps c) Mobiles apps d) All of the above
4.	What is the extension of a C# language file? a) .c b) .cpp c) .cs d) .csp
5.	What is CLR in C#? a) It is a virtual machine component of Microsoft .NET Framework b) It is a virtual machine component of JVM c) It is a compiler to compiler the C# code d) All of the above
6.	SOAP in C# stands for a) Standard Object Access Program b) Standard Object Access Protocol c) Simple Object Access Protocol d) Simple Object Access Protocol
7.	Which of the following is true about the 'Update' method in the 'DataAdapter' class in ADO.NET? a) It is used to execute SQL queries b) It is used to establish a connection to a database c) It is used to update data in a database based on changes in a DataSet d) It is used to retrieve data from a database
8.	Which of the following operator returns the type of a class in C#? a) sizeof b) typeof c) & d) *
9.	Which of the following property of Array class in C# checks whether the Array has a fixed size? a) IsStatic b) Length c) IsFixedSize d) None of the above
1() is an example of visual objects.

a) control objects b) ADO.NET c) ASP.NET d) all of the above
11. The execution of the program begins with a) Main() b) get() c) class() d) display()
12. WriteLine is a a) keyword b) literal c) function / method d) class
13. In C#, 'using' is a a) class b) directive c) function d) keyword
 14. framework has set of classes which are used to handle data access by connecting with different databases like SQL, Access, Oracle, etc. a) ADO.NET b) ASP.NET c) C#.NET d) Visual Studio
15. An Int variable occupies number of bytes a) 1 b) 2 c) 3 d) 4
 16 is a part of ADO.NET data provider which acts as a communicator between Dataset and the Data source. a) DataSet b) DataAdapter c) DataView d) DataTable
 17. A type is a type whose fields consist of a fixed set of constants. a) enum b) string c) struct d) array
18. C# does not support statement. a) continue b) break c) goto d) go

19	is not an access mod	difier.
a) p	ublic	
b) p	rivate	
c) p	rotect	
d) ii	nternal	
20. "ne	ew" is used for	the objects.
a) c	reating	
b) n	nodifying	
c) a	llocating memory for	•
d) d	eallocating memory of	f

- 21. What is the purpose of the 'SqlCommand' class in ADO.NET?
 - a) To define a function
 - b) To establish a connection to a database
 - c) To execute SQL queries
 - d) To retrieve data from a database
- 22. What is the purpose of the 'SqlDataReader' class in ADO.NET?
 - a) To define a function
 - b) To establish a connection to a database
 - c) To execute SQL queries
 - d) To retrieve data from a database
- 23. Which of the following is true about pointers in C#?
 - a) They are automatically dereferenced
 - b) They are useless
 - c) They are safer than references
 - d) They can point to managed or unmanaged memory
- 24. What is the correct way to declare a jagged array in C#?
 - a) int[][] myArray;
 - b) int[,] myArray;
 - c) int[,,] myArray;
 - d) int[] myArray[];
- 25. What is the purpose of the 'fixed' keyword in C#?
 - a) To define a constant value
 - b) To specify that a parameter is passed by value
 - c) To specify that a parameter is passed by reference
 - d) To prevent the garbage collector from moving an object
- 26. Which namespace is commonly used in C# for MySQL database connectivity?
 - a) System.Data.SqlClient
 - b) MySql.Data.MySqlClient
 - c) Oracle.Data.OracleClient
 - d) System.Data.OracleClient

- 27. Which namespace is commonly used in C# for SQL Server database connectivity?
 - a) MySql.Data.MySqlClient
 - b) System.Data.SqlClient
 - c) Oracle.Data.OracleClient
 - d) Npgsql
- 28. Which data provider is commonly used in C# for Oracle database connectivity?
 - a) MySql.Data.MySqlClient
 - b) System.Data.SqlClient
 - c) Oracle.Data.OracleClient
 - d) Npgsql
- 29. What is the purpose of the 'DataSet' class in ADO.NET?
 - a) To establish a connection to a database
 - b) To retrieve data from a database
 - c) To store data retrieved from a database
 - d) To execute SQL queries
- 30. Which of the following is true about the 'DataAdapter' class in ADO.NET?
 - a) It is used to execute SQL queries
 - b) It is used to establish a connection to a database
 - c) It is used to retrieve data from a database and populate a DataSet
 - d) It is used to connect to Oracle databases
- 31. What is the purpose of the 'Fill' method in the 'DataAdapter' class in ADO.NET?
 - a) To establish a connection to a database
 - b) To retrieve data from a database
 - c) To populate a DataSet with data from a database
 - d) To execute SQL queries
- 32. C# has operator, useful for making two-way decisions.
 - a) Conditional
 - b) Exponential
 - c) Looping
 - d) Functional
- 33. What is String in C# meant for?

/	rariable
b) A c	
	Object
d) An	Array
34. The 1	first step of configuring a Data Adapter is to select:
	adapter object
	latabase object
/	onnection object
,	lataset object
35 Whice	ch C# keyword is used to define a constant?
a) defi	
b) fixe	
c) con	
d) con	
a) &,! b) ^,~ c) <<,; d) +=,	>>
a) Cor	ch is the String method used to compare two strings with each other? npareTo() mpare
c) Cop	<u>-</u>
d) Co ₁	
20 W/L:	sh of the fellowing is long not true as of amous in CH2
	ch of the following is/are not types of arrays in C#? gle-Dimensional
	ltidimensional
	zed array
,	ged arrays
u) sag	god arrays
	ch of the following is a rectangular array?
a) Sin	gle-Dimensional

b) Multidimensional

- c) Jagged arrays
- d) Jazzed array's
- 40. In C#, which keyword is used to declare and work with pointers?
 - a) ptr
 - b) point
 - c) pointer
 - d) unsafe
- 41. What is the output of the following C# code snippet?

```
int x = 10;
```

int y = 20;

Console. WriteLine(x < y? 'x is less than y': 'x is greater than y');

- a) 'x is less than y'
- b) 'x is greater than y'
- c) 'x is less than y': 'x is greater than y'
- d) 'x is greater than y': 'x is less than y'
- 42. Which of the following statements is true about the 'finally' block in C#?
 - a) It must be preceded by a 'try' block
 - b) It must be followed by a 'catch' block
 - c) It must be followed by a 'finally' block
 - d) It is executed regardless of whether an exception occurs or not
- 43. What is the purpose of the 'try-catch' block in C#?
 - a) To define a function
 - b) To execute a block of code conditionally
 - c) To handle exceptions
 - d) To execute a block of code repeatedly
- 44. Which of the following is true about jagged arrays in C#?
 - a) They have a fixed size
 - b) They can store elements of the same length
 - c) They can store elements of different lengths
 - d) They are rectangular

- 45. What is the purpose of the 'ref' keyword in C#?
 - a) To specify optional parameters in a method
 - b) To specify that a parameter accepts multiple values
 - c) To specify that a parameter is passed by value
 - d) To specify that a parameter is passed by reference
- 46. What is the purpose of the 'param' keyword in C#?
 - a) To specify optional parameters in a method
 - b) To specify that a parameter is passed by value
 - c) To specify that a parameter accepts multiple values
 - d) To specify that a parameter is passed by reference
- 47. Which of the following is not a valid way to declare and initialize an array in C#?
 - a) int[] numbers = $\{1, 2, 3\}$;
 - b) int[] numbers = new int[3];
 - c) int[] numbers = new int[] $\{1, 2, 3\}$;
 - d) int[] numbers = new int(3);
- 48. Which of the following is true about multidimensional arrays in C#?
 - a) They can only have two dimensions
 - b) They can have more than two dimensions
 - c) They cannot store different types of data
 - d) They cannot be resized after initialization
- 49. Which of the following is not a valid control statement in C#?
 - a) break
 - b) continue
 - c) return
 - d) exit
- 50. What are the advantages of using pointers in C#?
 - a) Increased performance
 - b) Enhanced control over memory
 - c) Ability to work with hardware devices
 - d) All of the above
- 51. What are pointers used for in C#?

- a) To point to the next line of code
- b) To store memory addresses
- c) To store and manipulate text
- d) To control the flow of execution
- 52. What is the purpose of structures in C#?
 - a) To group related variables together
 - b) To define the structure of a program
 - c) To declare functions
 - d) To encapsulate data and behavior
- 53. Which loop in C# is guaranteed to execute at least once?
 - a) for loop
 - b) while loop
 - c) do-while loop
 - d) foreach loop
- 54. What is the output of the following C# code snippet?

```
for (int i = 0; i < 5; i++) {
    Console.Write(i);
}
a) 0 1 2 3 4
b) 1 2 3 4
```

- c) 0 1 2 3
- d) 0 1 2 3 4 5
- 55. Which of the following control statements in C# is used to execute a block of code if a condition is true?
 - a) if
 - b) for
 - c) while
 - d) switch
- 56. What does C# type conversion refer to?
 - a) Converting data from one type to another
 - b) Converting C# code to another programming language
 - c) Converting a program's structure

- d) None of the above
- 57. Which of the following is a keyword in C#?
 - a) variable
 - b) function
 - c) class
 - d) print
- 58. Which of the following best describes the structure of C#?
 - a) Sequential
 - b) Functional
 - c) Object-oriented
 - d) Procedural
- 59. Which of the following is true about ADO.NET in C#?
 - a) It only supports SQL Server databases
 - b) It is primarily used for web development
 - c) It provides built-in classes and methods for database connectivity
 - d) It cannot handle transactions
- 60. What is the purpose of the 'SqlConnection' class in ADO.NET?
 - a) To execute SQL queries
 - b) To retrieve data from a database
 - c) To define a function
 - d) To establish a connection to a database