

TECHNICAL APTITUDE QUIZ

(2024)

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.NET

7. Which programming model should you implement if you want to separate your server-side code from your client-side layout code in a Web page? (1 Point) *

- ☒ Code-Behind Model
- ☐ Client-Server Model
- ☐ Single File Model
- ☐ Inline Model

8. An Indexer is a.... (1 Point) *

- ☐ A Class
- ☐ A Structure
- ☒ A special type of property

9. How do you execute multiple SQL statements using a DataReader? (1 Point) *

- ☐ Set the Command.CommandTypeproperty to multiple result sets
- ☐ Call the ExecuteReadermethod of two Command objects and assign the results to the same instance of a DataReader.
- ☒ Set the Command.CommandTextproperty to multiple SQL statements delimited by a semicolon

☐ Call the ExecuteReader method of a single Command object twice.

10. How do you determine the actual SQL data type of a SqlParameter (the type expected by the SQL Server)? (1 Point) *

☒ It is the type of column or data in SQL Server that the command expects

☐ It is the .NET Framework data type in your application that the parameter represents

☐ It is the type of column in a DataTable that it represents

☐ It is any type defined in the SqlDbType enumeration.

11. Which of the following is true? (1 Point) *

☐ DataSet and DataTable can be binary serialized

☐ DataTable object contain DataRow and DataColumn objects

☐ DataSet and DataTable can be XML serialized

☒ All of the above

12. Which one of the following HTTP verbs indicates that you are creating and writing a file on the Web server? (1 Point) *

☐ GET

☐ POST

☐ SET

☒ PUT

13. Feature of Local variable can be stated as? (1 Point) *

- ☒ It must be declared within a method
- ☐ It can be used anywhere in the program
- ☐ It must accept a class
- ☐ It represent a class object

14. You want to make a configuration setting change that will affect only the current Web application. Which file will you change? (1 Point) *

- ☐ Global.asax
- ☐ Machine.config
- ☒ Web.config in the root of the Web application
- ☐ All of the above

15. Which file contains settings for all .NET application types, such as Windows, Console, ClassLibrary, and Web applications? (1 Point) *

- ☐ Global.asax
- ☒ Machine.config
- ☐ Web.config in the root of the Web application
- ☐ System.config

16. Which of the following are value types? (1 Point) *

- ☐ System.Value
- ☐ String
- ☒ System.Drawing.Point

☐ System.Drawing

17. Which of the following are reference types? (1 Point) *

☐ Class

☐ String

☐ Exception

☒ All of the above

18. Why should you write the cleanup code in Finally block? (1 Point) *

☐ A resource cannot be destroyed in the catch block

☐ Compiler throws an error if you close the connection in the try block

☒ Finally, blocks run whether or not an exception occurs

☐ All of the above

19. To create your application on a remote server which option you will choose in ASP. NET? (1 Point) *

☒ FTP

☐ File System

☐ HTTPS

☐ None of the Above

20. Which of the following is not an ASP. NET page event? (1 Point) *

- ☐ Init
- ☐ Load
- ☐ Disposed
- ☒ Import

21. In ASP .NET application, DLL files are stored in which folder? (1 Point) *

- ☐ App_Code
- ☒ Bin
- ☐ App_LocalResources
- ☐ App_Data

SQL

22. Which join combines all rows from both tables? (1 Point) *

- ☒ Cross Join
- ☐ Inner Join
- ☐ Right Outer Join
- ☐ Left Outer Join

23. Which SQL function is used to count the number of rows in a SQL query?
(1 Point) *

- ☐ NUMBER()
- ☐ SUM()

☐ COUNT()

☒ COUNT(*)

24. Which of the following SQL clauses is used to DELETE tuples from a database table? (1 Point) *

☒ DELETE

☐ REMOVE

☐ DROP

☐ CLEAR

25. Which of the following are TCL commands? (1 Point) *

☐ GRANT and REVOKE

☐ SELECT and INSERT

☒ ROLLBACK and SAVEPOINT

☐ UPDATE and TRUNCATE

26. Which of the following statement is true? (1 Point) *

☒ DELETE does not free the space containing the table and TRUNCATE free the space containing the table

☐ DELETE free the space containing the table and TRUNCATE does not free the space containing the table

☐ Both DELETE and TRUNCATE does not free the space containing the table

☐ Both DELETE and TRUNCATE free the space containing the table

27. What is the purpose of the SQL AS clause? (1 Point) *

- ☐ The AS clause is used with the JOIN clause only
- ☐ The AS clause defines a search condition
- ☒ The AS SQL clause is used to change the name of a column in the result set or to assign a name to a derived column
- ☐ All of the mentioned

28. Which of the following statement is used to make SQL server resize the database file to its smallest possible size? (1 Point) *

- ☐ DBCC SHRINKFILE
- ☒ DBCC SHRINKDB
- ☐ DBCC SQLPERF SHRINKDB

29. _____ helps to restore the database to the point where it failed (1 Point) *

- ☐ Differential Backups
- ☐ File log
- ☐ File backup
- ☒ Transaction Log

30. Difference between UNION and UNION ALL (1 Point) *

- ☒ UNION returns only unique records from both tables. UNION ALL returns all records from both tables

- ☐ UNION ALL is no longer supported in sql server 2000 onward
- ☐ Both are Similar

31. What is the default "SORT" order for a SQL? (1 Point) *

- ☒ Ascending
- ☐ Descending
- ☐ as specified by the user
- ☐ None of the mentioned

32. If you don't specify ASC or DESC after a SQL ORDER BY clause, the following is used by default _____ (1 Point) *

- ☒ ASC
- ☐ DESC
- ☐ There is no default value
- ☐ None of the mentioned

33. Which of the following is not correct for DELETE and TRUNCATE? (1 Point) *

- ☐ DELETE table can be rolled back
- ☐ TRUNCATE table cannot have triggers
- ☒ TRUNCATE table can have criteria
- ☐ DELETE table can have criteria

34. Choose the incorrect option about the sql server index (1 Point) *

- ☐ Two types of indexes - clustered indexes and non-clustered indexes
- ☐ Both types use B-TREE for searching data
- ☐ Only one clustered index on a table
- ☒ More than one clustered index on a table

35. The SQL Query Analyzer is the main interface for running SQL queries against your database (1 Point) *

- ☒ True
- ☐ False

36. Which of the below is the correct syntax for a VIEW? (1 Point) *

- ☐ CREATE VIEW ViewName AS UPDATE ...
- ☒ CREATE VIEW ViewName AS SELECT ...
- ☐ CREATE VIEW ViewName AS INSERT ...
- ☐ None of the above

37. Which of the following statements is/are not true for SQL profiler? (1 Point) *

- ☐ enables you to monitor events
- ☒ check if rows are being inserted properly
- ☐ check the performance of a stored procedure

☐ all of the mentioned

Java

38. Predict the output of following code?

```
class Vehicle{
    void run(){
        System.out.println("Vehicle is running");
    }
}
```

```
class Bike2 extends Vehicle{
```

```
    void run(){
```

```
        System.out.println("Bike is running safely");
    }
```

```
    public static void main(String args[])
    {
        Bike2 obj = new Bike2();
        obj.run\(\);
    }
```

(1 Point) *

☒ Bike is running safely

☐ Vehicle is running Bike is running safely

☐ None of the above

39. What is the Output of this program `TreeSet s1 = new TreeSet();`

```
s1.add("one");
s1.add("two");
s1.add("three");
s1.add("four");
s1.add("one");
Iterator it = s1.iterator();
while (it.hasNext() )
{
    System.out.print( it.next\(\) + " " );
}
```

}

(1 Point) *

- ☒ one two three four
- ☐ four three two one
- ☐ four one three two
- ☐ one two three four one

40. What will be the output of following code?

```
public class Main
{
    public static void main(String[] args)
    {
        try
        {
            return;
        }

        finally
        {
            System.out.println( "Finally" );
        }
    }
}
```

(1 Point) *

- ☒ Finally
- ☐ An exception will be thrown at run time
- ☐ Compilation fails
- ☐ The code runs with no output.

41. public class RTEExcept{
 public static void throwit ()
 {
 System.out.print("throwit ");
 throw new RuntimeException();
 }
 public static void main(String [] args)
 {
 try

```

{
    System.out.print("hello ");
    throwit();
}
catch (Exception re )
{
    System.out.print("caught ");
}
finally
{
    System.out.print("finally ");
}

    System.out.println("after ");
}
} (1 Point) *

```

- ☐ Compilation fails
- ☒ hello throwit caught finally after
- ☐ hello throwit caught
- ☐ hello throwit RuntimeException caught after

42. As the array will access by the index value, Which of these is necessary to specify at time of array initialization?

(1 Point) *

- ☐ Row
- ☐ Column
- ☒ Both Row and Column
- ☐ None of the mentioned

43. Which of these method of class String is used to obtain length of String object?

(1 Point) *

- ☐ get()

- ☐ Sizeof()
- ☐ lengthof()
- ☒ length()

44. Which of these is supported by method overriding in Java?
(1 Point) *

- ☐ Abstraction
- ☐ Encapsulation
- ☒ Polymorphism
- ☐ None of the mentioned

45. What is the output of this program?
public class increment {

```
    public static void main(String args[])
    {
        int g = 3;
        System.out.print(++g * 8);
    }
} (1 Point) *
```

- ☐ 24
- ☒ 32
- ☐ 22
- ☐ 28

46. Which of the following statement is true for given piece of code?

```
public class College {
```

```
public abstract int numberOfStudents ();  
}
```

(1 Point) *

- ☒ Class College must be defined abstract
- ☐ The keywords public and abstract cannot be used together.
- ☐ You must add a return statement in method numberOfStudent().
- ☐ The method numberOfStudent() in class College must have a body.

47. What does an interface contain?

(1 Point) *

- ☐ Method definition
- ☒ Method declaration and definition
- ☐ Method name
- ☐ Method declaration

48. Which of these method is used to begin the execution of a thread?

(1 Point) *

- ☐ run()
- ☒ start()
- ☐ runThread()
- ☐ startThread()

49. Which of the following is not a Java features?

(1 Point) *

- ☐ Architecture Neutral
- ☒ Use of Pointers
- ☐ Dynamic
- ☐ Object-oriented

50. Which of the following is a valid declaration of a char?

(1 Point) *

- ☐ char ca = 'tea'
- ☒ char cr = \u0223
- ☐ char cc = '\itea'
- ☐ char ch = '\utea'

51. What is the return type of the hashCode() method in the Object class?

(1 Point) *

- ☐ Object
- ☒ int
- ☐ long
- ☐ void



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