1.	What is the output of this program?
	public class Test1{
	<pre>public static void main(String args[]) {</pre>
	double a, b;
	a = 3.0;
	b = 4.0;
	double c = Math.sqrt(a * a + b * b);
	System.out.println(c); }
	}
	○ 25.0
	○ Compilation Error
	◎ 5.0
	○ 7.0
2.	What is the range of short data type in Java?
	○ -128 to 127
	● -32768 to 32767
	○ -2147483648 to 2147483647
	○ None of the mentioned
3.	What is the range of byte data type in Java?
	● -128 to 127
	○ -32768 to 32767
	○ -2147483648 to 2147483647
	O None of the mentioned
4.	Which of the following is not a primitive data type in Java?
	○ int
	○ float
	○ boolean
	String
5.	What is the size of the "char" data type in Java?
	○ 8
	0 16

	○ 32
	○ 64
6.	Which of the following data types is used to represent true/false values in Java?
	• boolean
	○ char
	\bigcirc int
	○ byte
7.	What is the scope of a local variable in Java?
	O It is accessible throughout the entire program
	It is accessible only within the method where it is declared
	\bigcirc It is accessible within the class where it is declared
	Olt is accessible within the package where it is declared
8.	In Java, which keyword is used to make a constant variable?
	● final
	○ const
	○ constant
	○ static
9.	
	Which operator is used to perform explicit type casting in Java?
	()
	○ *
	○ %
	○ &
10.	What will be the value of result after the following code snippet?
	<pre>int a = 5;</pre>
	<pre>int b = 7; boolean result = a > 3 && b < 10;</pre>
	• true
	○ false
	○ compilation error

11. What is the value of x after the following code snippet? class Operator { public static void main(String[] args) { int x = 8; x >>= 2; System.out.println(x); } } **2** \bigcirc 5 \bigcirc 22 \bigcirc 4 12. Which of the following variables can be accessed using the class name without creating an instance of the class? O Local variable static variable Method parameters O instance variable 13. What happens to local variables once the method or block in which they are declared completes execution? They are accessible from any other method They are destroyed and their memory is released O They are converted into instance variables O They become static variable 14. what will be the output of the code public class ScopeDemo { int y = 5; public static void main(String[] args) { ScopeDemo sd = new ScopeDemo(); int x = 10; System.out.println(y + x); }

O runtime error

}	
	○ runtime error
	○ 15
	○ 10
	© compilation error
15.	What is the scope of a variable declared within a for loop in Java?
	\bigcirc Local to the method or block containing the loop
	Local to the loop body only
	○ Local to the entire class
	○ Global across all classes in the package
16	what is the veture time of a mostle of that do not not not use any value?
10.	what is the return type of a method that does not return any value?
	o void
	Onull
	○ enum
	○ int
17.	In Java, a method is:
	○ A variable that stores data
	A reusable block of code that performs a specific task
	○ A way to declare a class
	○ . A type of loop construct
18.	What is the output when you execute the following code?
	class test{
	<pre>public static void main(String[] args) { int i = 100;</pre>
	switch(i){
	case 100: System.out.println(i);
	case 200: System.out.println(i);
	case 300: System.out.println(i);
	}
	} }
	} Nothing is printed

```
O Compile time error
       The values 100, 100, 100 printed
       Only 100 is printed
19. .What will be the output of the below code?
    public static void main(String args[]) {
       int i = 10;
       if(i) {
         System.out.println("Hello");
      }
       else {
         System.out.println("Bye");
      }
    }
       O Hello
       O runtime error
       ompilation error: cannot convert from int to boolean
20. What will be the output of the below program?
    public class Demo {
       public static void main(String[] args) {
         int num1 = 25;
         int num2 = 34;
         if (num1 / 3 >= num2 / 4) {
           num1 = num1 + 1;
         } else {
           num2 = num2 + 1;
         }
         System.out.println(num1 + "," + num2);
      }
    }
       25,35
       25,34
       26,34
       26,36
21. What will be the output of the below program?
```

public class Demo {

```
public static void main(String[] args) {
    int k = 1;
    switch (k) {
    default:
       System.out.println("Hello");
    case 1:
       System.out.println("Welcome");
       System.out.println("To");
    case 3:
       System.out.println("Infosys");
    }
  }
}
       O Hello
       ○ Welcome
       Welcome To Infosys
       O Compilation error as default must be the last case in the switch block
22. What will be the output of the below program?
    public class Demo {
       public static void main(String[] args) {
         int k = 1;
         switch (k) {
         default:
           System.out.println("Have");
         case 'a':
           System.out.println("A");
         case 'b':
           System.out.println("Good Day");
         }
       }
    }
       O Have A
       O Compilation error due to datatype mismatch
       O Have
       Have A Good Day
```

```
What will be the output of following program?
public class Test12{
public static void main(String agrs[]){
    for(int i=1, j=1; i<5; i++, j++)
      System.out.print(i+""+j);
  }
}
       O Error
       O 12345
       1122334455
       11223344
24. Consider the given code snippet and select the correct answer.
     public class Test13{
    public static void main(String agrs[]){
    for(int i=1, j=1; i<5; i++, j++)
       System.out.print(i+j);
    }}
       O 12345
       2468
       O Error
       O 11223344
25. In a for loop, which part is responsible for initializing the loop variable?
       Initialization block
       O Condition block
       O Increment block
       O Loop body
```