Q1. What is the size of float and double in java?

A. 32 and 64
B. 32 and 32
C. 64 and 64
D. 64 and 32

Q2. Automatic type conversion is possible in which of the possible cases?
A. Byte to int
B. Int to long
C. Long to int
D. Short to int
Ans: All cases are possible because these are numeric data types and its compatible to each other. In java, the numeric data types are compatible with each other but no automatic conversion is supported from numeric type to char or Boolean.

Q3.Find the output of the following code.
int Integer = 24;
char String = 'I';
System.out.print(Integer);
System.out.print(String);
A. Compile error
B. Throws exception
C. I
D. 24 I

Q4.Find the output of the following program.

public class Solution{
public static void main(String[] args){
short x = 10;
x = x * 5;
System.out.print(x);
}
}
A. 50
B. 10

C. Compile error

D. Exception

Q5.Find the output of the following program.

```
public class Solution{
public static void main(String[] args){
byte x = 127;
x++;
x++;
System.out.print(x);
}
}
```
A. -127
B. 127
C. 129
D. 2

Q6. Select the valid statement.

A. char[] ch = new char(5)
B. char[] ch = new char[5]
C. char[] ch = new char()
D. char[] ch = new char[]

Q7. Find the output of the following program.

```
public class Solution{
public static void main(String[] args){
int[] x = {120, 200, 016};
for(int i = 0; i < x.length; i++){
System.out.print(x[i] + " ");
}
}
}
```
A. 120 200 016
B. 120 200 14
C. 120 200 16
D. None

Q8.When an array is passed to a method, what does the method receive?
A. The reference of the array
B. A copy of the array
C. Length of the array
D. Copy of first element

Q9.Find the value of A[1] after execution of the following program.
```
int[] A = {0,2,4,1,3};
for(int i = 0; i < a.length; i++){
a[i] = a[(a[i] + 3) % a.length];
```

}
A. 0
B. 1
C. 2
D. 3
Q10. When is the object created with a new keyword?
A. At run time
B. At compile time
C. Depends on the code
D. None

Q11. Identify the corrected definition of a package.
A. A package is a collection of editing tools
B. A package is a collection of classes
C. A package is a collection of classes and interfaces
D. A package is a collection of interfaces

Q12.Identify the keyword among the following that makes a variable belong to a class,rather than being defined for each instance of the class.
A. final
B. static
C. volatile

D. abstract

Q13.Identify what can directly access and change the value of the variable res.
Package com.mypackage;
Public class Solution{
Private int res = 100;
}
A. Any class
B. Only Solution class
C. Any class that extends Solution
D. None

Q14.In which of the following is the toString() method defined?
A. java.lang.Object
B. java.lang.String
C. java.lang.util
D. None

Q15.Identify the output of the following program.
String str = "abcde";
System.out.println(str.substring(1, 3));
A. abc
B. bc

C. bcd
D. cd

Q16.Identify the output of the following program.
String str = "Hellow";
System.out.println(str.indexOf('t'));
A. 0
B. 1
C. true
D. -1

Q17.
Identify the output of the following program.
Public class Test{
Public static void main(String **argos**[]){   //**Is this printing mistake or its error?**
String str1 = "one";
String str2 = "two";
System.out.println(str1.concat(str2));
}
}
A. one
B. two
C. onetwo
D. twoone

Q18.
How many objects will be created in the following?
String a = new String("FlipRobo");
String b = new String("FlipRobo");
String c = "FlipRobo";
String d = "FlipRobo";
A. 2
B. 3
C. 4
D. None
Ans: First two lines is syntax for creating a object so 2 object created and third line creates object and store it in string pool and fourth line when creating object so that time its check in string pool and just one object will be create so its its 3 objects created.

Q19.Find the output of the following code.
int ++a = 100;
System.out.println(++a);
A. 101
B. Compile error as ++a is not valid identifier
C. 100

D. None

Q20.Find the output of the following code.
```
if(1 + 1 + 1 + 1 + 1 == 5){
System.out.print("TRUE");
}
else{
System.out.print("FALSE");
}
```
A. TRUE
B. FALSE
C. Compile error
D. None

Q21.Find the output of the following code.
```
Public class Solution{
Public static void main(String args[]){
Int x = 5;
x * = (3 + 7);
System.out.println(x);
```
A. 50
B. 22
C. 10
D. None
Q22.Identify the return type of a method that does not return any value.
A. int
B. void
C. double
D. None
Q23.Output of Math.floor(3.6)?
A. 3
B. 3.0
C. 4
D. 4.0

Q24. Identify the modifier which cannot be used for constructor.
A. public
B. protected
C. private
D. static
Q25. What are the variables declared in a class for the use of all methods of the class
called?
A. Object
B. Instance variables
C. Reference variable

D. None

Q26.
Find the output of the following code.
Public class Solution{
Public static void main(String args[]){
Int i;
for(i = 1; i < 6; i++){
if(i > 3) continue;
}
System.out.println(i);
}
}
A. 3
B. 4
C. 5
D. 6
Q27. Identify the infinite loop.
A. for(; ;)
B. for(int i = 0; i < 1; i--)
C. for(int i = 0; ;i++)
D. All of the above
Q28.Exception created by try block is caught in which block
A. catch
B. throw
C. final
D. none
Q29.Which of the following exception is thrown when divided by zero statement is
executed?
A. NullPointerException
B. NumberFormatException
C. ArithmeticException
D. None
Q30.Where is System class defined?
A. java.lang.package
B. java.util.package
C. java.io.package
D. None