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

Ans :- A (32 and 64)

Q2. Automatic type conversion is possible in which of the possible cases?

Ans :- A(Byte to int)

B(Int to Long)

D(Short to int)

Q3.Find the output of the following code.

```
int Integer = 24;
char String = 'I';
System.out.print(Integer);
System.out.print(String);
```

Ans :- A (compile error)

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);
}
}
```

Ans : - C (compile error)

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);
}
}
```

Ans :- A (-127)

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[]

Ans : - B. char[] ch = new char[5]

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] + " ");
}
}
}
```

Ans :- 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

Ans :- A (The reference of the array)

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];
}
```

Ans :- B (1)

Q10. When is the object created with a new keyword?

Ans :- A (At run time)

Q11. Identify the corrected definition of a package.

Ans :- C (A package is a collection of classes and 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.

Ans:- B (Static)

Q13. Identify what can directly access and change the value of the variable res.

```
Package com.mypackage;
Public class Solution{
Private int res = 100;
}
```

Ans:- B (Only Solution class)

Q14. In which of the following is the toString() method defined?

Ans:- D (None)

Q15. Identify the output of the following program.

String str = "abcde";
System.out.println(str.substring(1, 3));

Ans : - B (bc)

Q16. Identify the output of the following program.

String str = "Hellow";
System.out.println(str.indexOf('t'));

Ans:- D (-1)

Q17. Identify the output of the following program.

Public class Test{
Public static void main(String argos[]){
String str1 = "one";
String str2 = "two";
System.out.println(str1.concat(str2));
}
}

Ans:- C (onetwo)

Q18.
How many objects will be created in the following?

Ans:- A (2)

Q19. Find the output of the following code.

```
int ++a = 100;
System.out.println(++a);
```

Ans : - B (Compile error as ++a is not valid identifier)

Q20. Find the output of the following code.

```
if(1 + 1 + 1 + 1 + 1 == 5){
System.out.print("TRUE");
}
else{
System.out.print("FALSE");
}
```

Ans :- C (Compile error)

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);
```

Ans : - A (50)

Q22. Identify the return type of a method that does not return any value.

Ans :- B (void)

Q23.Output of Math.floor(3.6)?

Ans :- B(3.0)

Q24. Identify the modifier which cannot be used for constructor.

Ans :- D(static)

Q25. What are the variables declared in a class for the use of all methods of the class called?

Ans :- B (Instance variables)

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);
}
}
```

Ans :- D (6)

Q27. Identify the infinite loop.

Ans :- B (for(int i = 0; i < 1; i--))
      C (for(int i = 0; ;i++))

Q28. Exception created by try block is caught in which block.

Ans :- A (catch)

Q29. Which of the following exception is thrown when divided by zero statement is executed?

Ans :- C (ArithmeticException)

Q30. Where is System class defined?

Ans :- A (java.lang package)