

FULL STACK DEVELOPMENT – WORKSHEET 1

All questions are multiple choice.

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: (B) Int to long

Q3. Find the output of the following code.

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

Ans: (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);  
    }  
}
```

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.

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: (B) 120 200 14

Q8. When an array is passed to a method, what does the method receive?

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: (B) A package is a collection of classes

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: (A) java.lang.Object

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?

```
String a = new String("FlipRobo");
```

```
String b = new String("FlipRobo");
```

```
String c = "FlipRobo";
```

```
String d = "FlipRobo";
```

Ans: (B) 3

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: TRUE

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: (D) All of the above

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) Arithmetic Exception

Q30. Where is System class defined?

Ans: (A) java.lang.package