**Assignment – Worksheet 1**

**Q1. What is the size of float and double in java?  
Answer: A. 32 and 64**

**Q2. Automatic type conversion is possible in which of the possible cases?  
Answer: 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);   
Answer: D. 24 I will be printed**

**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);**

**}**

**}  
Answer: C. Compile error (Type mismatch: cannot convert from int to short)**

**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);**

**}**

**}  
Answer: A. -127**

**Q6. Select the valid statement.  
Answer: 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] + “ “);**

**}**

**}**

**}  
Answer: B. 120 200 14 (As 016 is an octal number)**

**Q8. When an array is passed to a method, what does the method receive?  
Answer: 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];**

**}  
Answer: B. 1**

**Q10. When is the object created with a new keyword?  
Answer: A. At run time**

**Q11. Identify the corrected definition of a package.  
Answer: 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.  
Answer: 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;**

**}  
Answer: B. Only Solution class (Because private keyword restricts the access only to the block)**

**Q14. In which of the following is the toString() method defined?  
Answer: A. java.lang.Object**

**Q15. Identify the output of the following program.  
 String str = “abcde”;**

**System.out.println(str.substring(1, 3));  
Answer: B. bc**

**Q16. Identify the output of the following program.  
 String str = “Hellow”;**

**System.out.println(str.indexOf(‘t’));  
Answer: 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));**

**}**

**}  
Answer: 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”;  
Answer: B. 3 (With new keyword a new object is create every time. But since the string in third and fourth statement are same, only one object is created for third statement and a reference for the fourth)**

**Q19. Find the output of the following code.  
 int ++a = 100;**

**System.out.println(++a);  
Answer: 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”);**

**}  
Answer: A. TRUE (Since the value of expression 1+1+1+1+1 is 5 and 5 is equal to 5)**

**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);  
}**

**}  
Answer: A. 50**

**Q22.Identify the return type of a method that does not return any value.  
Answer: B. void**

**Q23.Output of Math.floor(3.6)?  
Answer: B. 3.0**

**Q24. Identify the modifier which cannot be used for constructor.  
Answer: D. static**

**Q25. What are the variables declared in a class for the use of all methods of the class called?  
Answer: 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);**

**}**

**}  
Answer: D. 6**

**Q27. Identify the infinite loop.  
Answer: D. All of the above**

**Q28.Exception created by try block is caught in which block  
Answer: A. catch**

**Q29.Which of the following exception is thrown when divided by zero statement is executed?  
Answer: C. ArithmeticException**

**Q30.Where is System class defined?  
Answer: A. java.lang.package**