

**Mock Test**

**1. What is the stored in the object obj in following lines of Java code?**

**box obj;**

a) Memory address of allocated memory of object  
b) NULL  
c) Any arbitrary pointer  
d) Garbage

**2. Which of these operators is used to allocate memory for an object?**a) malloc  
b) alloc  
c) new  
d) give

**3. Which of these statement is incorrect?**a) Every class must contain a main() method  
b) Applets do not require a main() method at all  
c) There can be only one main() method in a program  
d) main() method must be made public

**4. Which of the following statements is correct?**a) Public method is accessible to all other classes in the hierarchy  
b) Public method is accessible only to subclasses of its parent class  
c) Public method can only be called by object of its class  
d) Public method can be accessed by calling object of the public class

**5. What is the return type of a method that does not return any value?**a) int  
b) float  
c) void  
d) double

**6. What is the process of defining more than one method in a class differentiated by method signature?**a) Function overriding  
b) Function overloading  
c) Function doubling  
d) None of the mentioned

**7. Which method can be defined only once in a program?**a) main method  
b) finalize method  
c) static method  
d) private method

**8. Which of this statement is incorrect?**a) All object of a class are allotted memory for the all the variables defined in the class  
b) If a function is defined public it can be accessed by object of other class by inheritation  
c) main() method must be made public  
d) All object of a class are allotted memory for the methods defined in the class

**9. Which of the following is not OOPS concept in Java?**a) Inheritance  
b) Encapsulation  
c) Polymorphism  
d) Compilation

**10. Which of the following is a type of polymorphism in Java?**a) Compile time polymorphism  
b) Execution time polymorphism  
c) Multiple polymorphism  
d) Multilevel polymorphism

**11. When does method overloading is determined?**a) At run time  
b) At compile time  
c) At coding time  
d) At execution time

**12. Which concept of Java is a way of converting real world objects in terms of class?**  
a) Polymorphism  
b) Encapsulation  
c) Abstraction  
d) Inheritance

**13. Method overriding is combination of inheritance and polymorphism?**a) True  
b) false

**14. What is Recursion in Java?**a) Recursion is a class  
b) Recursion is a process of defining a method that calls other methods repeatedly  
c) Recursion is a process of defining a method that calls itself repeatedly  
d) Recursion is a process of defining a method that calls other methods which in turn call again this method

**15. Which of these packages contains the exception Stack Overflow in Java?**a) java.lang  
b) java.util  
c) java.io  
d) java.system

**16. Which of these is an incorrect array declaration?**a) int arr[] = new int[5]  
b) int [] arr = new int[5]  
c) int arr[] = new int[5]  
d) int arr[] = int [5] new

**17. Which of these is an incorrect Statement?**a) It is necessary to use new operator to initialize an array  
b) Array can be initialized using comma separated expressions surrounded by curly braces  
c) Array can be initialized when they are declared  
d) None of the mentioned

**18. Which of these is necessary to specify at time of array initialization?**a) Row  
b) Column  
c) Both Row and Column  
d) None of the mentioned

**19. Which one of the following is not an access modifier?**  
a) Protected  
b) Void  
c) Public  
d) Private

**20. What is the numerical range of a char data type in Java?**a) 0 to 256  
b) -128 to 127  
c) 0 to 65535  
d) 0 to 32767

**Coding Questions**

1. **Write a java program to find out the given number is Armstrong or not?**
2. **Write a java program to find out the given number is Palindrome or not?**
3. **Write a java program to find out the Factorial of a given number using for loop?**
4. **Write a java program to check the given number is Prime or not?**
5. **Write a java program to display the Fibonacci series of a given number?**

**Input 5**

**Output 0 1 1 2 3 5 8**

1. **Write a java program to display the below loop pattern?**

**1 1**

**1 2 2 1**

**1 2 3 3 2 1**

**1 2 3 4 4 3 2 1**

1. **Write a java program to find out the Factorial of a given number using recursion?**
2. **Write a java program to find out the Nth element of Fibonacci series?**
3. **Write a java program to merge the two arrays and display them in sorting order?**

Input arr1 3 6 7 9 1

arr2 2 4 5 8 10

Output 1 2 3 4 5 6 7 8 9 10

1. **Write a java program to find out three highest elements from given positive integer array?**