

**NADAR SARASWATHI COLLEGE OF ENGINEERING AND TECHNOLOGY, THENI.**

<b>Course/Branch</b> : B.E / EEE	<b>Year / Semester</b> :III / V	<b>Format No.</b>	NAC/TLP-07a.13
<b>Subject Code</b> : CS8392	<b>Subject Name</b> : Object Oriented Programming	<b>Rev. No.</b>	02
<b>Unit No</b> : 1	<b>Unit Name</b> : INTRODUCTION TO OOP AND JAVA FUNDAMENTALS	<b>Date</b>	30.09.2020

**OBJECTIVE TYPE QUESTION BANK**

<b>S. No.</b>	<b>Objective Questions (MCQ /True or False / Fill up with Choices )</b>	<b>BTL</b>
1	<p><b>Which of the following is not OOPS concept in Java?</b></p> <p>A.Inheritance                      B. Encapsulation                      C. Polymorphism  <b>D. Compilation</b></p>	L1
2	<p><b>Which of the following is a type of polymorphism in Java?</b></p> <p>a) <b>Compile time polymorphism</b>                      b) Execution time polymorphism                      c) Multiple polymorphism                      d) Multilevel polymorphism</p>	L1
3	<p><b>When does method overloading is determined?</b></p> <p>a) At run time  <b>b) At compile time</b>                      c) At coding time                      d) At execution time</p>	L2
4	<p><b>Which concept of Java is a way of converting real world objects in terms of class?</b></p> <p>a) Polymorphism                      b) Encapsulation  <b>c) Abstraction</b>                      d) Inheritance</p>	L1
5	<p><b>Which concept of Java is achieved by combining methods and attribute into a class?</b></p> <p>a) <b>Encapsulation</b>                      b) Inheritance                      c) Polymorphism                      d) Abstraction</p>	L1
6	<p><b>What is it called if an object has its own lifecycle and there is no owner?</b></p> <p>a) Aggregation                      b) Composition                      c) Encapsulation  <b>d) Association</b></p>	L1
7	<p><b>Method overriding is combination of inheritance and polymorphism?</b></p> <p>a) <b>True</b>                      b) false</p>	L2

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8	<p><b>What is the range of byte data type in Java?</b></p> <p>a) -128 to 127                  b) -32768 to 32767                  c) -2147483648 to 2147483647                  d) None of the mentioned</p>	L1
9	<p><b>An expression involving byte, int, and literal numbers is promoted to which of these?</b></p> <p>a) int                  b) long                  c) byte                  d) float</p>	L1
10	<p><b>Which data type value is returned by all transcendental math functions?</b></p> <p>a) int                  b) float                  c) double                  d) long</p>	L1
11	<p><b>Which of these can not be used for a variable name in Java?</b></p> <p>a) identifier                  b) keyword                  c) identifier &amp; keyword                  d) none of the mentioned</p>	L1
12	<p><b>Which of these is an incorrect array declaration?</b></p> <p>a) int arr[] = new int[5]                  b) int [] arr = new int[5]                  c) int arr[] = new int[5]                  d) int arr[] = int [5] new</p>	L2
13	<p><b>Decrement operator, --, decreases the value of variable by what number?</b></p> <p>a) 1                  b) 2                  c) 3                  d) 4</p>	L1
14	<p><b>Which of these is returned by “greater than”, “less than” and “equal to” operators?</b></p> <p>a) Integers                  b) Floating – point numbers                  c) Boolean                  d) None of the mentioned</p>	L2

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15	<p><b>Which of these have highest precedence?</b></p> <p>a) ()                  b) ++                  c) *                  d) &gt;&gt;</p>	L1
16	<p><b>What should be expression1 evaluate to in using ternary operator as in this line?                  expression1 ? expression2 : expression3</b></p> <p>a) Integer                  b) Floating – point numbers                  c) <b>Boolean</b>                  d) None of the mentioned</p>	L3
17	<p><b>What is the value stored in x in the following lines of Java code?</b></p> <pre>int x, y, z; x = 0; y = 1; x = y = z = 8;</pre> <p>a) 0                  b) 1                  c) 9                  d) <b>8</b></p>	L3
18	<p><b>Which of these selection statements test only for equality?</b></p> <p>a) if                  b) <b>switch</b>                  c) if &amp; switch                  d) none of the mentioned</p>	L2
19	<p><b>Which of these are selection statements in Java?</b></p> <p>a) if()                  b) for()                  c) continue                  d)break</p>	L1
20	<p><b>What is not the use of “this” keyword in Java?</b></p> <p>a) Passing itself to another method                  b) Calling another constructor in constructor chaining                  c) Referring to the instance variable when local variable has the same name                  d) <b>Passing itself to method of the same class</b></p>	L1

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21	<p><b>What is the process of defining two or more methods within same class that have same name but different parameters declaration?</b></p> <p>a) <b>method overloading</b>                  b) method overriding                  c) method hiding                  d) none of the mentioned</p>	L1
22	<p><b>Which of these can be overloaded?</b></p> <p>a) Methods                  b) Constructors                  c) <b>All of the mentioned</b>                  d) None of the mentioned</p>	L2
23	<p><b>What is the process of defining a method in terms of itself, that is a method that calls itself?</b></p> <p>a) Polymorphism                  b) Abstraction                  c) Encapsulation                  d) <b>Recursion</b></p>	L2
24	<p><b>What will be the output of the following Java code?</b></p> <pre>class San { public void m1 (int i,float f) { System.out.println(" int float method"); } public void m1(float f,int i); { System.out.println("float int method"); } public static void main(String[]args) { San s=new San(); s.m1(20,20); } }</pre> <p>a) int float method                  b) float int method                  c) <b>compile time error</b>                  d) run time error</p>	L4

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25	<p><b>Which of these is used to access a member of class before object of that class is created?</b></p> <p>a) public b) private c) <b>static</b> d) protected</p>	L2
26	<p><b>Which of these access specifiers must be used for main() method?</b></p> <p>a) private b) <b>public</b> c) protected d) none of the mentioned</p>	L1
27	<p><b>What is the process by which we can control what parts of a program can access the members of a class?</b></p> <p>a) Polymorphism b) Abstraction c) <b>Encapsulation</b> d) Recursion</p>	L1
28	<p><b>Which of these access specifier must be used for class so that it can be inherited by another subclass?</b></p> <p>a) <b>public</b> b) private c) protected d) none of the mentioned</p>	L2
29	<p><b>What will be the output of the following Java program?</b></p> <pre>class Output {     public static void main(String args[])     {         final int a=10,b=20;         while(a&lt;b)         {             System.out.println("Hello");         }         System.out.println("World");     } }</pre> <p>a) Hello b) run time error c) Hello world</p>	L4

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	<b>d) compile time error</b>	
30	<p><b>Arrays in Java are implemented as?</b></p> <p>a) class</p> <p><b>b) object</b></p> <p>c) variable</p> <p>d) none of the mentioned</p>	L2
31	<p><b>Which of these keywords is used to prevent content of a variable from being modified?</b></p> <p><b>a) final</b></p> <p>b) last</p> <p>c) constant</p> <p>d) static</p>	L2
32	<p><b>Which of these methods must be made static?</b></p> <p><b>a) main()</b></p> <p>b) delete()</p> <p>c) run()</p> <p>d) finalize()</p>	L1
33	<p><b>What will be the output of the following Java program?</b></p> <pre> class static_out {     static int x;     static int y;     void add(int a , int b){         x = a + b;         y = x + b;     } } class static_use {     public static void main(String args[])     {         static_out obj1 = new static_out();         static_out obj2 = new static_out();         int a = 2;         obj1.add(a, a + 1);         obj2.add(5, a);         System.out.println(obj1.x + " " + obj2.y);     } } </pre> <p>a) 7 7</p> <p>b) 6 6</p>	L3

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	<p>c) 7 9 d) 9 7</p>	
34	<p><b>What will be the output of the following Java program?</b></p> <pre>class Output {     public static void main(String args[])     {         int arr[] = {1, 2, 3, 4, 5};         for ( int i = 0; i &lt; arr.length - 2; ++i)             System.out.println(arr[i] + " ");     } }</pre> <p>a) 1 2 <b>b) 1 2 3</b> c) 1 2 3 4 d) 1 2 3 4 5</p>	L3
35	<p><b>String in Java is a?</b></p> <p>a) class b) object c) variable d) character array</p>	L2
36	<p><b>Which of these keywords is used to refer to member of base class from a subclass?</b></p> <p>a) upper <b>b) super</b> c) this d) none of the mentioned</p>	L1
37	<p><b>What will be the output of the following Java program?</b></p> <pre>class string_class {     public static void main(String args[])     {         String obj = "I LIKE JAVA";         System.out.println(obj.charAt(3));     } }</pre> <p>a) I b) L c) K d) E</p>	L1

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38	<p><b>What is the process of defining a method in a subclass having same name &amp; type signature as a method in its superclass?</b></p> <p>a) Method overloading  <b>b) Method overriding</b>                  c) Method hiding                  d) None of the mentioned</p>	L2
39	<p><b>Which of these is supported by method overriding in Java?</b></p> <p>a) Abstraction                  b) Encapsulation  <b>c) Polymorphism</b>                  d) None of the mentioned</p>	L2
40	<p><b>What will be the output of the following Java program?</b></p> <pre>class Alligator { public static void main(String[] args) { int []x[] = {{1,2}, {3,4,5}, {6,7,8,9}}; int [][]y = x; System.out.println(y[2][1]); } }</pre> <p>a) 2                  b) 3  <b>c) 7</b>                  d) Compilation Error</p>	L2