1. What is the range of short data type in Java?  
   a) -128 to 127  
   b) -32768 to 32767  
   c) -2147483648 to 2147483647  
   d) None of the mentioned

Ans.b

1. . With x = 0, which of the following are legal lines of Java code for changing the value of x to 1?

1. x++;

2. x = x + 1;

3. x += 1;

4. x =+ 1;

a) 1, 2 & 3  
b) 1 & 4  
c) 1, 2, 3 & 4  
d) 3 & 2

Ans 1,2,3,4

3 What will be the output of the following Java program?

1. class mainclass {
2. public static void main(String args[])
3. {
4. boolean var1 = true;
5. boolean var2 = false;
6. if (var1)
7. System.out.println(var1);
8. else
9. System.out.println(var2);
10. }
11. }
12. 0  
    b) 1  
    c) true  
    d) false

Ans.c

4. What will be the output of the following Java program?

1. class string\_class
2. {
3. public static void main(String args[])
4. {
5. String obj = "I LIKE JAVA";
6. System.out.println(obj.charAt(3));
7. }
8. }

a) I  
b) L  
c) K  
d) E

Ans a

5. What will be the output of the following Java program?

1. import java.util.\*;
2. class Arraylist
3. {
4. public static void main(String args[])
5. {
6. ArrayList obj = new ArrayList();
7. obj.add("A");
8. obj.add("B");
9. obj.add("C");
10. obj.add(1, "D");
11. System.out.println(obj);
12. }
13. }

a) [A, B, C, D]   
b) [A, D, B, C]   
c) [A, D, C]   
d) [A, B, C]

ans b

6. What will be the output of the following Java program?

1. import java.util.\*;
2. class Output
3. {
4. public static void main(String args[])
5. {
6. TreeSet t = new TreeSet();
7. t.add("3");
8. t.add("9");
9. t.add("1");
10. t.add("4");
11. t.add("8");
12. System.out.println(t);
13. }
14. }

a) [1, 3, 5, 8, 9]   
b) [3, 4, 1, 8, 9]   
c) [9, 8, 4, 3, 1]   
d) [1, 3, 4, 8, 9]

ans d

7 What will be the output of the following Java program?

1. class exception\_handling
2. {
3. public static void main(String args[])
4. {
5. try
6. {
7. int a, b;
8. b = 0;
9. a = 5 / b;
10. System.out.print("A");
11. }
12. catch(ArithmeticException e)
13. {
14. System.out.print("B");
15. }
16. finally
17. {
18. System.out.print("C");
19. }
20. }
21. }

a) A  
b) B  
c) AC  
d) BC

ans d

8. What will be the output of the following Java code?

1. class newthread extends Thread
2. {
3. newthread()
4. {
5. super("My Thread");
6. start();
7. }
8. public void run()
9. {
10. System.out.println(this);
11. }
12. }
13. class multithreaded\_programing
14. {
15. public static void main(String args[])
16. {
17. new newthread();
18. }
19. }
    1. My Thread  
       b) Thread[My Thread,5,main]   
       c) Compilation Error  
       d) Runtime Error

Answer: b

1. What will be the output of the following Java code?
2. class newthread extends Thread
3. {
4. Thread t;
5. newthread()
6. {
7. t = new Thread(this,"My Thread");
8. t.start();
9. }
10. public void run()
11. {
12. try
13. {
14. t.join()
15. System.out.println(t.getName());
16. }
17. catch(Exception e)
18. {
19. System.out.print("Exception");
20. }
21. }
22. }
23. class multithreaded\_programing
24. {
25. public static void main(String args[])
26. {
27. new newthread();
28. }
29. }
30. My Thread  
    b) Thread[My Thread,5,main]   
    c) Exception  
    d) Runtime Error

Answer: d

1. What will be the output of the following Java code?
2. class newthread extends Thread
3. {
4. Thread t;
5. newthread()
6. {
7. t = new Thread(this,"New Thread");
8. t.start();
9. }
10. public void run()
11. {
12. System.out.println(t.isAlive());
13. }
14. }
15. class multithreaded\_programing
16. {
17. public static void main(String args[])
18. {
19. new newthread();
20. }
21. }
22. 0  
    b) 1  
    c) true  
    d) false

Answer: c

1. What will be the output of the following Java code?
2. class newthread extends Thread
3. {
4. Thread t1,t2;
5. newthread()
6. {
7. t1 = new Thread(this,"Thread\_1");
8. t2 = new Thread(this,"Thread\_2");
9. t1.start();
10. t2.start();
11. }
12. public void run()
13. {
14. t2.setPriority(Thread.MAX\_PRIORITY);
15. System.out.print(t1.equals(t2));
16. }
17. }
18. class multithreaded\_programing
19. {
20. public static void main(String args[])
21. {
22. new newthread();
23. }
24. }

a) true  
b) false  
c) truetrue  
d) falsefalse

Answer: d

1. Which of this method can be used to make the main thread to be executed last among all the threads?  
   a) stop()  
   b) sleep()  
   c) join()  
   d) call()

Answer: b

1. Which of these method waits for the thread to terminate?  
   a) sleep()  
   b) isAlive()  
   c) join()  
   d) stop()

Answer: c

1. Which of this keyword can be used in a subclass to call the constructor of superclass?  
   a) super  
   b) this  
   c) extent  
   d) extends

Answer: a

1. Which of these data type value is returned by equals() method of String class?  
   a) char  
   b) int  
   c) boolean  
   d) all of the mentioned

Answer: c

1. Which of these keywords is not a part of exception handling?  
   a) try  
   b) finally  
   c) thrown  
   d) catch

Answer: c

1. Which of these keywords is used to by the calling function to guard against the exception that is thrown by called function?  
   a) try  
   b) throw  
   c) throws  
   d) catch

Answer: c

1. Which of the following is a valid syntax to synchronize the HashMap?
2. Map m = hashMap.synchronizeMap();
3. HashMap map =hashMap.synchronizeMap();
4. Map m1 = Collections.synchronizedMap(hashMap);
5. Map m2 = Collection.synchronizeMap(hashMap);

**Answer:** (c) Map m1 = Collections.synchronizedMap(hashMap);

1. 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

Answer: d

1. 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

Answer: a

1. What is the process of defining a method in terms of itself, that is a method that calls itself?  
   a) Polymorphism  
   b) Abstraction  
   c) Encapsulation  
   d) Recursion

Answer: d

1. If two threads access the same hashmap at the same time, what would happen?  
   a) ConcurrentModificationException  
   b) NullPointerException  
   c) ClassNotFoundException  
   d) RuntimeException

Answer: a

1. How can we remove an object from ArrayList?  
   a) remove() method  
   b) using Iterator  
   c) remove() method and using Iterator  
   d) delete() method Answer: c
2. Which of these standard collection classes implements a dynamic array?  
   a) AbstractList  
   b) LinkedList  
   c) ArrayList  
   d) AbstractSet

Answer: c

1. Do we have get(Object o) method in HashSet.  
   a) True  
   b) False

Answer: b