Fpt Software	**FRESHER ACADEMY** JPE Quiz 3 Option 1	
	Testing date:…… **Allowed time:** 30' **Account:** …… **Birth date:** ……	**Testing score (/10):**…… **CODE: JPE.Q3.Opt1**

Testing notes

- You are not allowed to use mobile or other communicating devices during the test
- This is book-closed testing. You are not allowed to use any reference while doing the test.
- Select one answer for each question. Don't answer or note on the question book.
- Fill your answers into the Answer sheet.

Testing questions & answers

No.	Question & Answer Group	ANS
1.	Can `null` value be added to a `List`? A. YES B. NO	**A**
2.	If an exception is generated in try block , then it is caught in ____ block A. finally B. try C. catch	**C**

3.	What will be the output of the following Java program?
	class ExceptionTest {
	public static void main(String args[]) {
	try {
	System.out.print("Hello" + " " + 1 / 0);
	} catch(ArithmeticException e) {
	System.out.print("World");
	}
	}
	}
	A. Hello
	B. World
	C. HelloWorld
	D. Hello World
		B

4.	Given the following code, what is the result?
	import java.util.*;
	class Arraylist {
	public static void main(String args[]) {
	ArrayList obj = new ArrayList();
	obj.add("A");
	obj.add("B");
	obj.add("C");
	obj.add(1, "D");
	System.out.println(obj);
	}
	}
	A. [A, B, C, D]
	B. [A, D, B, C]
	C. [A, D, C]
	D. [A, B, C]
		B

5.	Consider the following program. What will be the output of this program?
	import java.util.*;
	class Test {
	public static void main(String []args) {
	Set<Integer> set = new TreeSet<Integer>();
	set.add(5);
	set.add(10);
	set.add(3);
	set.add(5);
	System.out.println(set);
	}
	}
	A. [5, 10, 3, 5]
	B. [5, 10, 3]
	C. [3, 5, 10]
	D. [10, 5, 3]
		C

6.	Which of these `method` `Map` `interface` used to obtain an `element` in the `map` having specified `key`? A. search() B. get() C. set() D. look()	**B**
7.	Which `interface` provides the capability to store `objects` using a `key-value` pair? A. java.util.Map B. java.util.Set C. java.util.List D. java.util.Collection	**A**

8.	What will be the output of the following Java program?
	1. import java.util.*;
	2. class Maps {
	3. public static void main(String args[]) {
	4. HashMap obj = new HashMap();
	5. obj.put("A", new Integer(1));
	6. obj.put("B", new Integer(2));
	7. obj.put("C", new Integer(3));
	8. System.out.println(obj);
	9. }
	10. }
	
	A. {A 1, B 1, C 1}
	B. {A, B, C}
	C. {A-1, B-1, C-1}
	D. {A=1, B=2, C=3}
		D

9.	To sort an `ArrayList<T>` by `class` `Array`, the `class` `T` must be implement the `method`? A. Comparable<T>.compare B. Comparable<T>.compareTo C. Comparator<T>.compare D. Sortable<T>.sortOrder	**B**
10.	A try statement must always have a ..... associated with it. easy A. catch B. throws C. finally D. catch, finally or both	**D**

11.	What will be the output of the program?
	public class X {
	public static void main(String [] args) {
	try {
	badMethod();
	System.out.print("A");
	}
	catch (RuntimeException ex) /* Line 10 */ {
	System.out.print("B");
	}
	catch (Exception ex1) {
	System.out.print("C");
	}
	finally {
	System.out.print("D");
	}
	System.out.print("E");
	}
	public static void badMethod() {
	throw new RuntimeException();
	}
	}
	A. BD
	B. BCD
	C. BDE
	D. BCDE
		C

12.	What is the result of compiling and running the following code?
	public class MainClass {
	public static void main(String[] args) {
	System.out.print("1");
	try {
	return;
	} catch (Exception e) {
	System.out.print("2");
	} finally {
	System.out.print("3");
	}
	System.out.print("4");
	}
	}
	A. 1234
	B. 13
	C. 1
	D. Compilation error
		B

13.	Which of the following statements will compile **without** an error? (Choose all that apply.) A. int arr[]; B. int arr[5]; C. int arr[5] = {1,2,3,4,5}; D. int arr[] = {1,2,3,4,5};	**A,D**
14.	What is the value of seasons.length for the following array? String[] seasons = {"winter", "spring", "summer", "fall" };" A. 3 B. 4 C. 0 D. NullPointerException thrown	**B**

15.	Which of the following will declare an array and initialize it? A. Array a = new Array(5); B. int array[] = new int [5]; C. int a[] = new int(5); D. int [5] array;	**B**
16.	_____ is a superclass of all exception classes. A. Object B. Exception C. RuntimeException D. IOException	**B**

17.	In which sequence will the characters a, b, and c be printed by the following program?
	import java.util.* ;
	public class ListTest {
	public static void main(String args[]) {
	List s1 = new ArrayList();
	s1.add("a");
	s1.add("b");
	s1.add(1, "c");
	List s2 = new ArrayList(s1.subList(1, 1));
	s1.addAll(s2);
	System.out.println(s1);
	}
	}
	A. The sequence a, b, c is printed.
	B. The sequence a, b, c, b is printed.
	C. The sequence a, c, b, c is printed.
	D. The sequence a, c, b is printed
		D

18.	What will be the output of the program?
	try {
	int x = 0;
	int y = 5 / x;
	}
	catch (ArithmeticException ae) {
	System.out.println(" Arithmetic Exception");
	} catch (Exception e) {
	System.out.println("Exception");
	}
	System.out.println("finished");
	A. finished
	B. Exception
	C. Compilation fails.
	D. Arithmetic Exception
	finished
		D

19.	What will be the output of the following program?
	public class DemoDuplication {
	public static void main(String[] args) {
	Set<Student> students = new HashSet<>();
	students.add(new Student("Ducky", 6));
	students.add(new Student("Clover", 8));
	students.add(new Student("Hugo", 7));
	students.add(new Student("Clover", 8));
	System.out.println(students);
	}
	}
		B

	class Student {
	String name;
	int age;
	Student(String name, int age) {
	this.name = name;
	this.age = age;
	}
	@Override
	public String toString() {
	return "[" + this.name + ", " + this.age + "]";
	}
	}
	A. [[Hugo, 7], [Clover, 8], [Ducky, 6]
	B. [[Hugo, 7], [Clover, 8], [Ducky, 6], [Clover, 8]]
	C. [[Ducky, 6], [Hugo, 7], [Clover, 8], [Clover, 8]]
	D. [[Ducky, 6], [Hugo, 7], [Clover, 8]]	

20.	What will the following code print?
	List s1 = new ArrayList();
	s1.add("a");
	s1.add("b");
	s1.add("c");
	s1.add("a");
	if(s1.remove("a")) {
	if(s1.remove("a")) {
	s1.remove("b");
	} else {
	s1.remove("c");
	}
	}
	System.out.println(s1);
	A. [b]
	B. [c]
	C. [b, c, a]
	D. [a, b, c, a]
	E. Exception at runtime
		B

-- THE END --