CHITKARA UNIVERSITY

2022-2023

Sessional Test II – MAY, 2023

Roll No: ………………   [Total No. of Pages: 4]
Programme: B.E. (CSE)   **Time: 90 minutes**
Course Title: Core Java
Course Code: CS109   **Max. Marks: 40**

General Instructions:
●   Follow the instructions given in each section.

Section – A
(Q 1 to 10: Each question carries 1 mark)

Question 1. Which method is used to wait for a thread to die?
☐ start()
☐ wait()
☐ sleep()
☑ join()

Question 2. Which of the following statements is true about Java exception handling?

☐ The try block must be followed by a catch block.
☐ The catch block must be followed by a finally block.
☐ The finally block must be followed by a catch block.
☑ The try block can be followed by either a catch block or a finally block.

Question 3. Which of the following is the correct syntax for catching an exception in Java?

☐ try (Exception e) {}
☑ catch (Exception e) {}
☐ finally (Exception e) {}
☐ none

Question 4. After which line the object initially referred by str is eligible for garbag ecollection?

```
Select one correct answer.
1 class Garbage
2 {
3 public static void main(String arg[])
4 {
5 String str=new String("Hello");
6 String str1=str;
7 str=new String("Hi");
8 str1=new String("Hello Again");
9 return;
10 }
11 }
```

☑ After line no. 6
☐ After line no. 7
☐ After line no. 8
☐ After line no. 9

Question 5. How many objects will be created in the following?

```
String a = new String("Interviewbit");
 String b = new String("Interviewbit");
 Strinc c = "Interviewbit";
 String d = "Interviewbit";
```

☐ 2
✅ 3
☐ 4
☐ 5

Question 6. When a String is passed to a method, what does the method receive?

☐ Copy of a string
✅ Reference of a string
☐ Value of index
☐ None

Question 7. How do you declare an interface in Java?

☐ Using the keyword "class"
✅ Using the keyword "interface"
☐ Using the keyword "implements"
☐ Using the keyword "extends"

Question 8. Which of the following statements is true about built-in packages in Java?

☐ Built-in packages are created by Java developers.
☐ Built-in packages cannot be used in Java programs.
✅ Built-in packages contain pre-written Java classes and interfaces.
☐ Built-in packages are only used for debugging Java programs

Question 9. Which one of the following is the correct declaration and importing of packages in Java?
✅ package SOMEPACKAGE; import PACKAGE_N.*;
☐ import PACKAGE_N.*; package SOMEPACKAGE;
☐ import PACKAGE_M.*; package SOMEPACKAGE; import PACKAGE_N.*;
☐ All the these

Question 10. What will be the output of the following program?

```
public class MCQ {
  public static void main(String[] args) {
    try {
    int[] myArray = {1, 2, 3};
    System.out.println(myArray[3]);
    } catch (ArrayIndexOutOfBoundsException e) {
    System.out.println("Index out of bounds");
    }   } }
```

☐ 1
☐ 2
☐ 3
✅ Index out of bounds

Section – B
(Q 11 to 15: Each question carries 1 mark)

Question 11. What will be the output of the following Java code?

```java
class Main{
  public static void main(String[] args) {
        try {
          int x = 10 / 0;
        } catch (RuntimeException e) {
          System.out.print("RuntimeException ");
        } catch (Exception e) {
          System.out.print("Exception ");
        } finally {
          System.out.print("Finally");
        }
    }
}
```

- ☑ RuntimeException Finally
- ☐ Exception Finally
- ☐ RuntimeException
- ☐ Exception

Question 12. Which of the following is NOT a method of the Throwable class in Java?

- ☐ getMessage()
- ☐ printStackTrace()
- ☐ getCause()
- ☑ throwException()

Question 3. Which of the following methods is used to start a new thread in Java?

- ☑ start()
- ☐ run()
- ☐ yield()
- ☐ stop()

Question 4. Which of the following methods can be used to convert a string to a character array?

- ☑ toCharArray()
- ☐ CharArray()
- ☐ charAt()
- ☐ substring()

Question 5. Find the output of the following program.

```java
interface MyInterface {
        void myMethod();
}
 class MyClass implements MyInterface {
        public void myMethod() {
        System.out.println("Hello World");
        }
}
 public class Main {
        public static void main(String[] args) {
            MyInterface obj = new MyClass();
            obj.myMethod();
        }
}
```

- ☐ Compile-time error
- ☐ MyClass
- ☐ MyInterface
- ☑ Hello World

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- ☐ MyClass
- ☐ MyInterface
- ☑ Hello World