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NPTEL (<https://swayam.gov.in/explorer?ncCode=NPTEL>) » Programming in Java (course)Course
outline

How does an
NPTEL online
course work?
()

Week 0 : ()

Week 1 : ()

☐ Lecture 01 :
Introduction
(unit?
unit=17&lesson=18)

☐ Lecture 02 :
Java
Programming
Steps (unit?
unit=17&lesson=19)

☐ Lecture 03 :
Java Tools and
Resources
(unit?
unit=17&lesson=20)

☐ Lecture 04 :
Demonstration-
I (unit?
unit=17&lesson=21)

Week 1 : Assignment 1

The due date for submitting this assignment has passed.

Due on 2021-08-18, 23:59 IST.

As per our records you have not submitted this assignment.

1)

1 point

Which of the following cannot be used for a variable name in Java?

- a. identifier
- b. case
- c. malloc
- d. calloc

☐ a.

☐ b.

☐ c.

☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

● Lecture 05 :
Java Applet
Programming
(unit?
unit=17&lesson=22)

○ Quiz: Week 1 :
Assignment 1
(assessment?
name=126)

○ Week 1:
Programming
Assignment 1
(/noc21_cs56/progassignment?
name=129)

○ Week 1 :
Programming
Assignment 2
(/noc21_cs56/progassignment?
name=130)

○ Week 1 :
Programming
Assignment 3
(/noc21_cs56/progassignment?
name=132)

○ Week 1 :
Programming
Assignment 4
(/noc21_cs56/progassignment?
name=133)

○ Week 1 :
Programming
Assignment 5
(/noc21_cs56/progassignment?
name=134)

○ Feedback For
Week 1 (unit?
unit=17&lesson=23)

Week 2 : ()

Week 3 : ()

Week 4 : ()

Week 5 : ()

Week 6 : ()

2) Which of the following is an incorrect array declaration? 1 point

- a. `int[] b = new int[10];`
- b. `int [] b;`
- c. `int[][] b = new int[10];`
- d. `int[][] b = {{7, 2, 4, 6}, {9, 8, 5}};`

☐ a.

☐ b.

☐ c.

☐ d.

No, the answer is incorrect.
Score: 0

Accepted Answers:
c.

1 point

When you compile a program written in the Java programming language, the compiler converts the human-readable source file into platform-independent code that a Java Virtual Machine can understand. What is this platform-independent code called?

- a. Source code
- b. Bytecode
- c. Machinecode
- d. Opcode

☐ a.

☐ b.

☐ c.

☐ d.

No, the answer is incorrect.
Score: 0

Accepted Answers:
b.

4) 1 point

Which of the following is/are TRUE regarding the string array provided as a parameter to the main method in Java?

- a. It can be used to get command line arguments from the user.
- b. It is mandatory to name the string array as 'args'.
- c. Only one command line argument input is allowed at a time.
- d. Both b and c.

☐ a.

☐ b.

Week 7 : ()**Week 8 : ()****Week 9 : ()****Week 10 : ()****Week 11 : ()****Week 12 : ()****Assignments
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2021 (First
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(10.00AM -
12.00PM). ()****Programming
Exam Oct
2021 (Second
Session):
(8.00PM -
10.00PM). ()**

- ☐ c.
☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

5)

1 point**Consider the following program.**

```
public class Question{
    public static void main(String args[]){
        for(int b=2;b<3;b+=2){
            System.out.print(b+++b);
        }
    }
}
```

What will be the output of the program if it is executed?

- a. 5
b. 2
c. 4
d. 1

- ☐ a.
☐ b.
☐ c.
☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

6)

1 point

Following is a piece of code where some parts of a statement is missing:

```
public class Question3{  
    public static void main(String args[]){  
        char npTEL[]={'J','A','V','A','N','P','T','E','L'};  
        System.out.print(____);  
    }  
}
```

In the following, some options are given. You have to choose the correct option for the argument in *System.out.print()* function to print the second and the last characters in the array npTEL.

- a. npTEL[npTEL.length-1] + npTEL[1]
- b. npTEL[1] + npTEL[npTEL.length-1]
- c. "" + npTEL[1] + npTEL[npTEL.length-1]
- d. "" + npTEL[npTEL.length-1] + npTEL[1]

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.

7)

1 point

What is the output of this program?

```
public class Question {  
    public static void main(String args[])  
    {  
        int i = 5;  
        System.out.print(--i * 5);  
    }  
}
```

- a. 20
- b. 25
- c. 32
- d. 31

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

8)

1 point

Which of the following is used to find and fix bugs in the Java programs?

- a. JVM
- b. JRE
- c. JDK
- d. JDB

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

d.

9)

1 point

Which of the following is/are non-primitive data type(s) in Java?

- a. int
- b. String
- c. Array
- d. double

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

c.

10)

1 point

Which of the following features are common in both Java and C++?

- a. The class declaration.
- b. The access modifiers.
- c. The encapsulation of data and methods.
- d. Multiple inheritance from class

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

b.

c.

X

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outlineHow does an
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Week 0 : ()

Week 1 : ()

Week 2 : ()

- ☐ Lecture 06 :
Demonstration-
II (unit?
unit=24&lesson=25)
- ☐ Lecture 07 :
Encapsulation
(unit?
unit=24&lesson=26)
- ☐ Lecture 08 :
Demonstration-
III (unit?
unit=24&lesson=27)
- ☐ Lecture 09 :
Java
Programming

Week 2 : Assignment 2

The due date for submitting this assignment has passed.

Due on 2021-08-18, 23:59 IST.

As per our records you have not submitted this assignment.

1 point

1)

What is the output of the following program?

```
public class Main{  
    public static void main(String args[]){  
        char a = '8';  
        int b=010;  
        System.out.println(a+b);  
    }  
}
```

- a. 88
- b. 8010
- c. 64
- d. 810

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.
Score: 0

Insights (unit?
unit=24&lesson=28)

☐ Lecture 10 :
Demonstration-
IV (unit?
unit=24&lesson=29)

☐ Quiz: Week 2 :
Assignment 2
(assessment?
name=127)

☐ Week 2 :
Programming
Assignment 1
(/noc21_cs56/progassignment?
name=153)

☐ Week 2 :
Programming
Assignment 2
(/noc21_cs56/progassignment?
name=151)

☐ Week 2 :
Programming
Assignment 3
(/noc21_cs56/progassignment?
name=154)

☐ Week 2 :
Programming
Assignment 4
(/noc21_cs56/progassignment?
name=155)

☐ Week 2 :
Programming
Assignment 5
(/noc21_cs56/progassignment?
name=156)

☐ Feedback For
Week 2 (unit?
unit=24&lesson=30)

Week 3 : ()

Week 4 : ()

Week 5 : ()

Week 6 : ()

Accepted Answers:

c.

2)

1 point

Which of the following is generate API documentation in HTML format from Java source code?

- a. javac
- b. javadoc
- c. javap
- d. java

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

3)

1 point

Following is a program given for this question.

```
public class Main{
    public static void main(String[] args) {
        char[] copyFrom = { 'j', 'a', 'n', 'n', 'p', 't',
            'e', 'l', 'j', 'a', 'v', 'a', };
        char[] copyTo = new char[9];

        System.arraycopy(copyFrom, 3, copyTo, 0, 9);
    }
}
```

What will be the output of the above program?

- a. javanptel
- b. npteljava
- c. janjavanptel
- d. jannpteljava

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

Week 7 : ()**Week 8 : ()****Week 9 : ()****Week 10 : ()****Week 11 : ()****Week 12 : ()****Assignments
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(10.00AM -
12.00PM). ()****Programming
Exam Oct
2021 (Second
Session):
(8.00PM -
10.00PM). ()**

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

4)

1 point

What will happen during the execution of the following code for the command line input?

```

public class Question {
    public static void main (String[] args) {
        for (String s: args) {
            System.out.println(s+args[0]);
        }
    }
}

```

Consider the following input on command line and select the options with the correct output(s).

Input:

A: "jan java nptel"

B: 1 2 3

- a. A : jan nptel
 java nptel
 nptel nptel
- b. A : jan java nptel jan java nptel
- c. B : 11
 21
 31
- d. B : 1 2 3 1

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

c.

5)

1 point

Which of the following is/are TRUE about print() and println() methods?

- a. print() prints in a single line only and multiple lines cannot be printed in any way.
- b. print() prints and then appends a line break.
- c. println() prints in a single line only and multiple lines cannot be printed.
- d. println() prints and then appends a line break.

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

d.

6)

1 point

What was the initial name of Java when it was first developed for embedded systems?

- a. Greentalk
- b. Oak
- c. Java
- d. Javac

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

7)

1 point

Which of the following is a valid declaration of an object of class, say Foo?

- a. Foo obj = new Foo;
- b. obj = new Foo();
- c. Foo obj = new Foo();
- d. new Foo obj;

- ☐ a.
- ☐ b.
- ☐ c.

☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.

8)

1 point

Following is a program given for this question.

```
public class Question
{
    public static void main(String[] args) {

        boolean m=Integer.valueOf(0).equals(Long.valueOf(1));
        System.out.println(m);
    }
}
```

What will be the output of the above program?

- a. 0
- b. 1
- c. false
- d. true

☐ a.

☐ b.

☐ c.

☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.

9)

1 point

Which of the following can be used to take input from user during the execution of a program?

- a. Using the string array provided as a parameter to the main method.
- b. getText() method can be used to get user input from the command line.
- c. Scanner class can be used by passing the predefined object System.in
- d. Once the execution starts, there is no way to provide user input.

☐ a.

☐ b.

☐ c.

☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.

10)

1 point

What is the output of the following program?

```
public class Question
{
    public static void main(String[] args) {

        int i = 10;
        int n = i++%2;
        int m = ++i%7;
        System.out.println(i+n+m);

    }
}
```

- a. 14
- b. 12
- c. 15
- d. 17

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

d.

X

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How does an
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Week 0 : ()

Week 1 : ()

Week 2 : ()

Week 3 : ()

- ☐ Lecture 11 :
Java Static
Scope Rule
(unit?
unit=31&lesson=32)
- ☐ Lecture 12 :
Demonstration-
V (unit?
unit=31&lesson=33)
- ☐ Lecture 13 :
Inheritance
(unit?
unit=31&lesson=34)

Week 3 : Assignment 3

The due date for submitting this assignment has passed.

Due on 2021-08-25, 23:59 IST.

As per our records you have not submitted this assignment.

1)

1 point

☐ Lecture 14 :
Demonstration-
VI (unit?
unit=31&lesson=35)

☐ Lecture 15 :
Information
Hiding (unit?
unit=31&lesson=36)

☐ **Quiz: Week 3 :
Assignment 3
(assessment?
name=128)**

☐ Week 3 :
Programming
Assignment 1
(/noc21_cs56/progassignment
name=145)

☐ Week 3 :
Programming
Assignment 2
(/noc21_cs56/progassignment
name=144)

☐ Week 3 :
Programming
Assignment 3
(/noc21_cs56/progassignment
name=146)

☐ Week 3 :
Programming
Assignment 4
(/noc21_cs56/progassignment
name=150)

☐ Week 3 :
Programming
Assignment 5
(/noc21_cs56/progassignment?
name=147)

☐ Feedback For
Week 3 (unit?
unit=31&lesson=37)

Week 4 : ()

Week 5 : ()

Week 6 : ()

Consider the following piece of code in Java.

```
class A {
    public int i;
    protected int j;
}
class B extends A
{
    void display()
    {
        super.j = super.i + 1;
        System.out.println(super.i + " " + super.j);
    }
}
public class inheritance
{
    public static void main(String args[])
    {
        B obj = new B();
        obj.i=2;
        obj.j=2;
        obj.display();
    }
}
```

What is the output of the above program?

- a. 2 3
- b. 3 3
- c. Runtime Error
- d. Compilation Error

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

2)

1 point

Week 7 : ()**Week 8 : ()****Week 9 : ()****Week 10 : ()****Week 11 : ()****Week 12 : ()****Assignments
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Exam Oct
2021 (First
Session):
(10.00AM -
12.00PM). ()****Programming
Exam Oct
2021 (Second
Session):
(8.00PM -
10.00PM). ()****Consider the following piece of code in Java.**

```

public class Question
{
    public static int x = 7;
    public static void main(String[] args) {

        Question a = new Question ();
        Question b = new Question ();
        a.x = 2;
        b.x = 3;
        System.out.println(a.x+b.x++Question.x);
    }
}

```

What is the output of the above program?

- a. 6
- b. 10
- c. 21
- d. error

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

3) Which of these keywords are used to define an abstract class?**1 point**

- a. abst
- b. abstract
- c. Abstract
- d. abstract class

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

4)

1 point

Hiding internal data from the outside world, and accessing it only through publicly exposed methods is known as data_____

- a. Polymorphism
- b. Encapsulation.
- c. Inheritance.
- d. Duplication.

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

5)

1 point

Consider the following piece of code in Java

```
class Men
{
    int walkingDistance(int weight)
    {
        System.out.println(10);
        return 10;
    }
}
class WildMen extends Men
{
    void walkingDistance(int weight)
    {
        System.out.println("20");
    }
}
public class MethodOverriding3
{
    public static void main(String[] args)
    {
        WildMen wc = new WildMen();
        wc.walkingDistance(30);
    }
}
```

What will be the output if the above program is executed?

- a. 10
- b. 20
- c. 30
- d. It will give compile-time error

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.
Score: 0

Accepted Answers:

d.

6) **All the variables of interface should be?**

1 point

- a. default and final
- b. default and static
- c. public, static and final
- d. protect, static and final

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.

7) **Advantage(s) of inheritance in Java programming is/are**

1 point

- a. Code readability
- b. two classes (base and inherited class) get tightly coupled
- c. Code maintainability
- d. Code reusability

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

c.

d.

8) **When does method overloading is determined?**

1 point

- a. At run time
- b. At compile time
- c. At coding time
- d. At execution time

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

9)

1 point

```

public class Test1{
    Test1() {
        Test1 obj1 = new Test1();
    }

    public static void main(String []args) {
        Test1 obj = new Test1();
        System.out.println("Hello");
    }
}

```

Which of the following statements is/ are true for given code?

- a. Output will be : Hello
- b. There will be a compile-time error.
- c. Program will compile successfully.
- d. The program will give a runtime error.

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.

d.

10)

1 point

Which of the following statement(s) is/are not true?

- a. Hiding internal data from the outside world, and accessing it only through publicly exposed methods is known as data **encapsulation**.
- b. Common behavior can be defined in a **superclass** and inherited into a **subclass** using the **extends** keyword.
- c. The term "class variable" is another name for **non-static field**.
- d. A local variable stores temporary state; it is declared inside a **method**.

- ☐ a.
- ☐ b.
- ☐ c.

☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.

X

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☐ Lecture 16 :
Demonstration-
VII (unit?
unit=38&lesson=39)

☐ Lecture 17 :
Packages-I
(unit?
unit=38&lesson=40)

☐ Lecture 18 :
Packages-II
(unit?
unit=38&lesson=41)

Week 4 : Assignment 4

The due date for submitting this assignment has passed.

Due on 2021-09-01, 23:59 IST.

As per our records you have not submitted this assignment.

1)

1 point

Which of these is a mechanism for naming and visibility control of a class and its content?

- a. Objects.
- b. Interfaces.
- c. Packages.
- d. Both a and b.

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.

2)

1 point

Which of the following is false statement about packages in java?

- a. Packages are used to organize a set of related classes and interfaces.
- b. Packages are used for preventing naming conflicts.
- c. Packages provide code reusability.
- d. Packages cannot be considered as data encapsulation.

☐ Lecture 19 :
Demonstration-
VIII (unit?
unit=38&lesson=42)

☐ Lecture 20 :
Interface-I
(unit?
unit=38&lesson=43)

☐ Quiz: Week 4 :
Assignment 4
(assessment?
name=135)

☐ Week 4 :
Programming
Assignment 1
(/noc21_cs56/progassignment?
name=175)

☐ Week 4 :
Programming
Assignment 2
(/noc21_cs56/progassignment?
name=176)

☐ Week 4 :
Programming
Assignment 3
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name=177)

☐ Week 4 :
Programming
Assignment 4
(/noc21_cs56/progassignment?
name=178)

☐ Week 4 :
Programming
Assignment 5
(/noc21_cs56/progassignment?
name=179)

☐ Feedback For
Week 4 (unit?
unit=38&lesson=44)

Week 5 : ()

Week 6 : ()

Week 7 : ()

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.
Score: 0

Accepted Answers:
d.

3)

Which of the following is/are interface(s) of `java.awt` package?

1 point

- a. CardLayout
- b. Checkbox
- c. Choice
- d. MenuContainer

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.
Score: 0

Accepted Answers:
d.

4) Which of the following statement(s) is/are false?

1 point

- a. The default package in the Java language is `java.lang`.
- b. `String` is a final class and it is present in `java.lang` package.
- c. `Cloneable` is a class present in `java.lang` package.
- d. `Thread` is a class present in `java.lang` package.

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.
Score: 0

Accepted Answers:
c.

5)

1 point

Week 8 : ()**Week 9 :** ()**Week 10 :** ()**Week 11 :** ()**Week 12 :** ()**Assignments
Solution** ()**Lecture
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Exam Oct
2021 (First
Session):
(10.00AM -
12.00PM).** ()**Programming
Exam Oct
2021 (Second
Session):
(8.00PM -
10.00PM).** ()

Consider the program given below.

```
import static java.lang.Math.*;
public class Main{
    public static void main(String args[]){
        System.out.println(cos(2*PI));
    }
}
```

What will be the output if the above program is executed?

- a. It will give compile-time error
- b. It will give run-time error
- c. 1.0
- d. 3.14

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.

6)

1 point

Which of the following packages is used to include utility classes like Calendar, Collections, and Date?

- a. java.lang
- b. java.util
- c. java.net
- d. java.awt

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

7) Which of the following statement(s) is/are false?

1 point

- a. Comparable interface is present in java.lang package
- b. Iterator interface is present in java.util package.
- c. Compare() is a method used in Comparable interface.
- d. Serializable interface is present in java.io package.

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.

8)

1 point

Which of the following is/are valid declaration(s) of an interface?

a. `public interface Question {
 void method(int value) {
 System.out.println("Nptel");
 }
}`

b. `public interface Question {
 void method(int value) {

 }
}`

c. `public interface Question {

}`

d. `public interface Question {
 default void method(int value) {
 System.out.println("Nptel");
 }
}`

- ☐ a.
- ☐ b.

☐ c.☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

c.

d.

9)

1 point

Which of the following is false statement about interface in java?

- a. An interface can extend other interfaces.
- b. The interface body can contain abstract methods, default methods, and static methods.
- c. All constant values defined in an interface are implicitly public, static, and final.
- d. A static method in an interface are implicitly private.

☐ a.☐ b.☐ c.☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

d.

10) Which of these access specifier(s) can be used for an interface?

1 point

- a. Public
- b. Protected
- c. Private
- d. Both b and c

☐ a.☐ b.☐ c.☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

4/6/22, 2:27 PM

Programming in Java - - Unit 6 - Week 4 :

X

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()

Week 0 : ()

Week 1 : ()

Week 2 : ()

Week 3 : ()

Week 4 : ()

Week 5 : ()

- ☐ Lecture 21 :
Interface-II
(unit?
unit=45&lesson=46)
- ☐ Lecture 22 :
Demonstration-
IX (unit?
unit=45&lesson=47)
- ☐ Lecture 23 :
Exception

Week 5 : Assignment 5

The due date for submitting this assignment has passed.

Due on 2021-09-01, 23:59 IST.

As per our records you have not submitted this assignment.

1 point

1) Which of the following is **not true** about **throw**

- a. Throw is used inside a function
- b. Throw can be used to declare multiple exception
- c. Throw is followed by an instance.
- d. Throw is a keyword

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

Handling-I
(unit?
unit=45&lesson=48)

☐ Lecture 24 :
Exception
Handling-II
(unit?
unit=45&lesson=49)

☐ Lecture 25 :
Exception
Handling-III
(unit?
unit=45&lesson=50)

☐ Quiz: Week 5 :
Assignment 5
(assessment?
name=136)

☐ Week 5 :
Programming
Assignment 1
(/noc21_cs56/progassignment?
name=157)

☐ Week 5 :
Programming
Assignment 2
(/noc21_cs56/progassignment?
name=158)

☐ Week 5 :
Programming
Assignment 3
(/noc21_cs56/progassignment?
name=159)

☐ Week 5 :
Programming
Assignment 4
(/noc21_cs56/progassignment?
name=160)

☐ Week 5 :
Programming
Assignment 5
(/noc21_cs56/progassignment?
name=161)

☐ Feedback For
Week 5 (unit?
unit=45&lesson=51)

Week 6 : ()

2) Which of the following is not true about custom exception in java? **1 point**

- a. `class Exception extends Exp {
 public Exception () {super () ;}
 public Exception (String s) {super(s);}
}`
- b. `class Exception extends Exp{
 Exception(String s){
 super(s);
 }
}`
- c. `public class Exception extends Exp {
 public Exception(String s) {
 super(s);
 }
}`
- d. `class Exception extends Exp {
 public Exception () {super () ;}
}`

- ☐ a
☐ b
☐ c
☐ d

No, the answer is incorrect.
Score: 0

Accepted Answers:

d

3) Which of the following is not a property of tagged interface? **1 point**

- a. Serializable
- b. Cloneable
- c. Remote
- d. Cascading

- ☐ a
☐ b
☐ c
☐ d

No, the answer is incorrect.
Score: 0

Accepted Answers:

Week 7 : ()**Week 8 : ()****Week 9 : ()****Week 10 : ()****Week 11 : ()****Week 12 : ()****Assignments
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Material ()****DOWNLOAD
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12.00PM). ()****Programming
Exam Oct
2021 (Second
Session):
(8.00PM -
10.00PM). ()***d*

4) Which of the following is not an exception in Java?

1 point

- a. SQLException
- b. ArrayIndexOutOfBoundsException
- c. OutOfMemoryError
- d. StackOverflow

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

5) Which of the following is type of Java Exception?

1 point

- a. unchecked
- b. checked
- c. a & b
- d. error

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

c

6)

1 point

Which of the following keywords is not a part of exception handling?

- a. try
- b. throws
- c. throw
- d. thrown

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

7) Which of the option is correct regarding multiple catch blocks?

1 point

- a. The subclass exception cannot be caught at first.
- b. The superclass exception cannot be caught at first.
- c. The subclass exception must be caught at last.
- d. The superclass exception must be caught at first.

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

8)

1 point

When an array element is accessed beyond the array size, then which exception occurs

- a. ArrayElementOutOfBounds
- b. ArrayIndexOutOfBounds
- c. ArraySizeOutOfBounds
- d. None of the above

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

9)

1 point

What is the output of this program?

```
class ExceptionHandling{
    public static void main(String args[ ]) {
        try{
            int num1, num2;
            num1=5;
            num2=num1/0;
            System.out.print("A");
        }
        catch(ArithmeticException e) {
            System.out.print("0");
        }
        finally {
            System.out.print("B");
        }
    }
}
```

- a. 0
- b. A
- c. 0
- d. 0B

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

10)

1 point

When does an exception occur?

- a. During the time of compilation of a Java program.
- b. During the time of execution of a Java program.
- c. Anytime, that is, during compilation and execution of a program.
- d. At the end of execution of a Java program, if there is an exception.

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

X

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Week 1 : ()

Week 2 : ()

Week 3 : ()

Week 4 : ()

Week 5 : ()

Week 6 : ()

☐ Lecture 26 :
Demonstration-
X (unit?
unit=52&lesson=53)

☐ Lecture 27 :
Multithreading-I
(unit?
unit=52&lesson=54)

Week 6 : Assignment 6

The due date for submitting this assignment has passed.

Due on 2021-09-08, 23:59 IST.

As per our records you have not submitted this assignment.

1)

1 point

Which of the following is NOT a method of the Thread class in Java?

- a. public void run()
- b. public void exit()
- c. public void start()
- d. public final int getPriority()

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

2)

1 point

☐ Lecture 28 :
Multithreading-
II (unit?
unit=52&lesson=55)

☐ Lecture 29 :
Demonstration-
XI (unit?
unit=52&lesson=56)

☐ Lecture 30 : I-O
Stream-I (unit?
unit=52&lesson=57)

☐ Quiz: Week 6 :
Assignment 6
(assessment?
name=137)

☐ Week 6 :
Programming
Assignment 1
(/noc21_cs56/progassignment?
name=194)

☐ Week 6 :
Programming
Assignment 2
(/noc21_cs56/progassignment?
name=205)

☐ Week 6 :
Programming
Assignment 3
(/noc21_cs56/progassignment?
name=206)

☐ Week 6 :
Programming
Assignment 4
(/noc21_cs56/progassignment?
name=203)

☐ Week 6 :
Programming
Assignment 5
(/noc21_cs56/progassignment?
name=204)

☐ Feedback For
Week 6 (unit?
unit=52&lesson=58)

Week 7 : ()

Which of the following statement is true in case of starting a thread with 'run()' and 'start()' method?

- a. There is no difference between starting a thread with 'run()' and 'start()' method.
- b. When you call start() method, main thread internally calls run() method to start newly created Thread
- c. When you call run() method directly no new Thread is created and code inside run() will execute on current Thread.
- d. None

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.
Score: 0

Accepted Answers:

b

3)

1 point

Which of the following can be used to create an instance of Thread?

- a. By implementing the Runnable interface.
- b. By extending the Thread class.
- c. By creating a new class named Thread and calling method run().
- d. By importing the Thread class from package.

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.
Score: 0

Accepted Answers:

a

b

4)

1 point

Week 8 : ()**Week 9 :** ()**Week 10 :** ()**Week 11 :** ()**Week 12 :** ()**Assignments
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Exam Oct
2021 (First
Session):
(10.00AM -
12.00PM).** ()**Programming
Exam Oct
2021 (Second
Session):
(8.00PM -
10.00PM).** ()**What is the output of the following program?**

```

public class Question
{
    public static void main(String[] args) {
        try {
            int a=5/0;
            System.out.print("a ");
        } catch (ArithmeticException ae) {
            System.out.print("ArithmeticException ");
        } catch (Exception e) {
            System.out.print(" Exception ");
        }
        System.out.print("Hello World");
    }
}

```

- a. Hello World
- b. ArithmeticException
- c. ArithmeticException Exception Hello World
- d. ArithmeticException Hello World
- e. none

- ☐ a
- ☐ b
- ☐ c
- ☐ d
- ☐ e

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

5) Which method restarts a dead thread**1 point**

- a. start()
- b. restart()
- c. restartThread()
- d. none

- ☐ a
- ☐ b
- ☐ c

☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

6)

1 point

Assume the following method is properly synchronized and called from a thread A on an object B: wait(2000); After calling this method, when will the thread A become a candidate to get another turn at the CPU?

- a. After thread A is notified, or after two seconds.
- b. Two seconds after thread A is notified.
- c. After the lock on B is released, or after two seconds.
- d. Two seconds after lock B is released.

☐ a

☐ b

☐ c

☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

7)

1 point

The following is a simple program using the concept of thread.

```
public class Question extends Thread{
    public void run(){
        for(int i=1;i<5;i++){

            System.out.println(++i);
        }
    }
    public static void main(String args[]){
        Question t1=new Question();
        t1.run();
    }
}
```

What is the output of the above program?

- a. 1
3
- b. 1
2
3
4
- c. Runtime error
- d. 2
4

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

8)

1 point

For the program given below, what will be the output after its execution?

```
public class Main{
public static void main(String[] args){
    Thread thread=Thread.currentThread();
    System.out.print(thread.activeCount());
    thread.run();
    System.out.print(thread.activeCount());
}
}
```

- a. 01
- b. False True
- c. True True
- d. 11

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

9)

1 point

Which of the following is/are not a correct constructor for a thread object?

- a. Thread(Runnable a, String str);
- b. Thread(Runnable a, int priority);
- c. Thread(Runnable a, ThreadGroup t);
- d. Thread(int priority);

- ☐ a
- ☐ b
- ☐ c

☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

c

d

10)

1 point

Which exception is thrown when an array element is accessed beyond the array size?

- a. ArrayElementOutOfBounds
- b. ArrayIndexOutOfBoundsException
- c. ArrayIndexOutOfBounds
- d. None of these

☐ a☐ b☐ c☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

X

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Week 0 : ()

Week 1 : ()

Week 2 : ()

Week 3 : ()

Week 4 : ()

Week 5 : ()

Week 6 : ()

Week 7 : ()

☐ Lecture 31 : I-O
Stream-II (unit?
unit=59&lesson=60)

☐ Lecture 32 : I-O
Stream-III

Week 7 : Assignment 7

The due date for submitting this assignment has passed.

Due on 2021-09-15, 23:59 IST.

As per our records you have not submitted this assignment.

1)

1 point

(unit?
unit=59&lesson=61)

☐ Lecture 33 :
Demonstration-
XII (unit?
unit=59&lesson=62)

☐ Lecture 34 :
Applet
Programming -
I (unit?
unit=59&lesson=63)

☐ Lecture 35 :
Applet
Programming -
II (unit?
unit=59&lesson=64)

☐ Quiz: Week 7 :
Assignment 7
(assessment?
name=138)

☐ Week 7 :
Programming
Assignment 1
(/noc21_cs56/progassignment?.....
name=180)

☐ Week 7 :
Programming
Assignment 2
(/noc21_cs56/progassignment?
name=181)

☐ Week 7 :
Programming
Assignment 3
(/noc21_cs56/progassignment?
name=182)

☐ Week 7 :
Programming
Assignment 4
(/noc21_cs56/progassignment?
name=183)

☐ Week 7 :
Programming
Assignment 5
(/noc21_cs56/progassignment?
name=184)

What will be output for the following code?

```
import java.io.*;

public class Question
{
    public static void main(String args[])
    {
        File obj = new File("/Nptel/java");
        System.out.print(obj.getName());
    }
}
```

- a. java
- b. Nptel
- c. Nptel/java
- d. /Nptel/java

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.
Score: 0

Accepted Answers:

a

2)

1 point

Which of the following is/are NOT member(s) of java.io package?

- a. ObjectFilter
- b. FileFilter
- c. FilenameFilter
- d. ObjectInput

- ☐ a
- ☐ b
- ☐ c
- ☐ d

- ☐ Feedback For
Week 7 (unit?
unit=59&lesson=65)

Week 8 : ()

Week 9 : ()

Week 10 : ()

Week 11 : ()

Week 12 : ()

**Assignments
Solution ()**

**Lecture
Material ()**

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Books ()

**Programming
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12.00PM). ()**

**Programming
Exam Oct
2021 (Second
Session):
(8.00PM -
10.00PM). ()**

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

3) Which of these class is not a member class of java.io package? **1 point**

- a. Writer
- b. FileReader
- c. StringWriter
- d. String

☐ a

☐ b

☐ c

☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

4) **1 point**

Which method is used to write an array of byte to the current output stream?

- a. public void write(int b)throws IOException
- b. public void write(byte[] b)throws IOException
- c. public void flush()throws IOException
- d. public void close()throws IOException

☐ a

☐ b

☐ c

☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

5) In java, how many standard streams are available? **1 point**

- a. 2
- b. 3
- c. 4
- d. 5

☐ a

- ☐ b
☐ c
☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

6)

1 point

Which of the following method in java.io package help in clearing the contents of the buffer?

- a. flush ()
b. clear()
c. append()
d. exit()

- ☐ a
☐ b
☐ c
☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

7)

1 point

Which method of RandomAccessFile class reads a line from the file and returns it as a String ?

- a. WriteInt().
b. readLine()
c. readInt()
d. WriteDouble()

- ☐ a
☐ b
☐ c
☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

8) Which of the following is/are valid method(s) in class File?

1 point

- a. `isFile()`
- b. `IsFile()`
- c. `IsDirectory()`
- d. `isAbsolute()`

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

d

9)

1 point

Which of the following is/are Not interface(s) of `java.io` package?

- a. `FileReader`
- b. `ObjectInput`
- c. `ObjectOutput`
- d. `DataInput`

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

10)

1 point


```
import java.io.*;

public class Question {
    public static void main(String[] args)
    {
        try {

            PrintWriter writer = new PrintWriter(System.out);

            writer.write(97);

            writer.close();
        }
        catch (Exception e) {
            System.out.println(e);
        }
    }
}
```

What will be the output if the above program is executed?

- a. It will give compile-time error
- b. It will give run-time error
- c. a
- d. 97

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

c

X

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Week 0 : ()

Week 1 : ()

Week 2 : ()

Week 3 : ()

Week 4 : ()

Week 5 : ()

Week 6 : ()

Week 7 : ()

Week 8 : ()

☐ Lecture 36 :
Applet
Programming -
III (unit?
unit=66&lesson=67)

Week 8 : Assignment 8

The due date for submitting this assignment has passed.

Due on 2021-09-22, 23:59 IST.

As per our records you have not submitted this assignment.

1) Which of the following is NOT a class of java.awt package?

1 point

- a. Button
- b. Component
- c. Dialog
- d. Paint

- ☐ a
☐ b
☐ c
☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

2)

Which of the following is/are NOT an exception of java.awt package?

1 point

- a. AWTError
- b. AWTException
- c. FontFormatException
- d. all of these

☐ Lecture 37 :
Demonstration
- XIII (unit?
unit=66&lesson=68)

- ☐ a
☐ b
☐ c
☐ d

☐ Lecture 38 :
Demonstration
- XIV (unit?
unit=66&lesson=69)

No, the answer is incorrect.
Score: 0

Accepted Answers:

a

☐ Lecture 39 :
AWT
Programming -
I (unit?
unit=66&lesson=70)

3)

1 point

Which of the following method is/are a class button of java.awt package ?

- a. paint(Graphics g)
b. setLabel(String label)
c. getCurrent()
d. getItem(int index)

☐ Lecture 40 :
AWT
Programming -
II (unit?
unit=66&lesson=71)

- ☐ a
☐ b
☐ c
☐ d

☐ Quiz: Week 8 :
Assignment 8
(assessment?
name=139)

No, the answer is incorrect.
Score: 0

Accepted Answers:

b

☐ Week 8 :
Programming
Assignment 1
(/noc21_cs56/progassignment?
name=162)

4)

1 point

Which of the following container does not contain titlebar and menubar ?

- a. window
b. panel
c. container
d. frame

☐ Week 8 :
Programming
Assignment 2
(/noc21_cs56/progassignment?
name=163)

☐ Week 8 :
Programming
Assignment 3
(/noc21_cs56/progassignment?
name=164)

- ☐ a
☐ b
☐ c
☐ d

☐ Week 8 :
Programming
Assignment 4
(/noc21_cs56/progassignment?
name=165)

No, the answer is incorrect.
Score: 0

Accepted Answers:

b

☐ Week 8 :
Programming
Assignment 5
(/noc21_cs56/progassignment?
name=166)

5)

1 point

☐ Feedback For
Week 8 (unit?
unit=66&lesson=72)

Week 9 : ()

Week 10 : ()

Week 11 : ()

Week 12 : ()

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(10.00AM -
12.00PM). ()**

**Programming
Exam Oct
2021 (Second
Session):
(8.00PM -
10.00PM). ()**

Which package provides many event classes and Listener interfaces for event handling?

- a. java.awt.activeevent
- b. java.awt.event
- c. java.awt.listener
- d. none of these

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

6)

1 point

What is the name of the method used to get the current font of an graphic in java.awt.graphics?

- a. abstract FontMetrics getFontMetrics(Font f)
- b. abstract Font getFont()
- c. FontMetrics getFontMetrics()
- d. None of these

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

7)

1 point

Which of the following method remove all items from scrolling list in java.awt.list?

- a. hide()
- b. clear()
- c. remove()
- d. None

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

8)

1 point

Which of the following statement is true about the `update()` in `java.awt` package?

- a. Sets the color of the graphics context to be the foreground color of this component.
- b. Calls this component's paint method to completely redraw this component.
- c. Clears this component by filling it with the background color.
- d. All of these.

☐ a

☐ b

☐ c

☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

9)

1 point

Which of the following methods can be used to return the current size size of a `java.awt.Component` object?

- a. `dimension()`
- b. `setSize()`
- c. `area()`
- d. `size()`
- e. `resize()`

☐ a

☐ b

☐ c

☐ d

☐ e

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

10)

1 point

When we invoke `update()` for a `java.awt.Component` object, the AWT invokes which of the following method ?

- a. `show()`
- b. `draw()`
- c. `paint()`
- d. `repaint()`

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

c

X

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Week 4 : ()

Week 5 : ()

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Week 7 : ()

Week 8 : ()

Week 9 : ()

☐ Lecture 41 :
Demonstration-

Week 9 : Assignment 9

The due date for submitting this assignment has passed.

Due on 2021-09-29, 23:59 IST.

As per our records you have not submitted this assignment.

1)

1 point

Which of the following is/are interface(s) in javax.swing package?

- a. CellEditor
- b. Action
- c. Box
- d. Scrollable

☐ a☐ b☐ c☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

b

d

2)

1 point

XV (unit?
unit=73&lesson=74)

☐ Lecture 42 :
AWT
Programming--
III (unit?
unit=73&lesson=75)

☐ Lecture 43 :
Swing
Programming -
I (unit?
unit=73&lesson=76)

☐ Lecture 44 :
Swing
Programming -
II (unit?
unit=73&lesson=77)

☐ Lecture 45 :
Demonstration-
XVI (unit?
unit=73&lesson=78)

☐ Quiz: Week 9 :
Assignment 9
(assessment?
name=140)

☐ Week 9 :
Programming
Assignment 1
(/noc21_cs56/progassignment?
name=208)

☐ Week 9 :
Programming
Assignment 2
(/noc21_cs56/progassignment?
name=190)

☐ Week 9 :
Programming
Assignment 3
(/noc21_cs56/progassignment?
name=207)

☐ Week 9 :
Programming
Assignment 4
(/noc21_cs56/progassignment?
name=209)

Which of the following Listener(s) is/are not supported by frame (Swing component)?

- a. ActionListener
- b. ChangeListener
- c. ItemListener
- d. WindowListener

☐ a

☐ b

☐ c

☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

b

c

3) What is/are not a listener in context to event handling?

1 point

- a. A listener is a variable that is notified when an event occurs
- b. A listener is a object that is notified when an event occurs
- c. A listener is a method that is notified when an event occurs
- d. None of the mentioned

☐ a

☐ b

☐ c

☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

c

4) Give the abbreviation of AWT?

1 point

- a. Applet Windowing Toolkit
- b. Absolute Windowing Toolkit
- c. Applet Window Toolkit
- d. Abstract Windowing Toolkit

☐ a

☐ b

☐ c

☐ d

- ☐ Week 9 :
Programming
Assignment 5
(/noc21_cs56/progassignment?
name=210)
- ☒ Feedback For
Week 9 (unit?
unit=73&lesson=79)

Week 10 : ()

Week 11 : ()

Week 12 : ()

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Exam Oct
2021 (Second
Session):
(8.00PM -
10.00PM). ()

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

5) **How many types of controls does AWT support?**

1 point

a. 17

b. 6

c. 7

d. 8

☐ a

☐ b

☐ c

☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

c

6) **Which package is not imported for swing components**

1 point

a. java.awt.*;

b. java.util.*;

c. javax.swing.*;

d. javax.swing.*;

☐ a

☐ b

☐ c

☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

b

d

7)

1 point

Analyze the following code.

```
import java.awt.*;
import javax.swing.*;

public class Test {
    public static void main(String[] args) {
        JFrame frame = new JFrame("My Frame");
        frame.add(new JButton("OK"));
        frame.add(new JButton("Cancel"));
        frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        frame.setSize(200, 200);
        frame.setVisible(true);
    }
}
```

Which button will be displayed?

- a. OK
- b. Cancel
- c. both
- d. None

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

8)

1 point

In `JLabel(Icon, int)` method/constructor, the `int` argument specifies the horizontal alignment of the label's contents within its drawing area.

Which of the following is/are valid constants for horizontal alignment?

- a. CENTER
- b. LEADING
- c. TRAILING
- d. LEFT

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a
b
c
d

9)

1 point

Which of the following are valid "Method or Constructor" in Setting or Obtaining the Field's Contents?

- a. JTextField()
- b. JTextField(String)
- c. JTextField(String, int)
- d. JTextField(int)

- ☐ a
☐ b
☐ c
☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a
b
c
d

10) When are the keyboard events fired?

1 point

- a. When the user manually calls the button
- b. When the user right clicks the mouse
- c. When the user calls the modifier
- d. When the user clicks a key

- ☐ a
☐ b
☐ c
☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

X

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Week 4 : ()

Week 5 : ()

Week 6 : ()

Week 7 : ()

Week 8 : ()

Week 9 : ()

Week 10 : ()

Week 10 : Assignment 10

The due date for submitting this assignment has passed.

Due on 2021-10-06, 23:59 IST.

As per our records you have not submitted this assignment.

1)

1 point

Which of the following statement(s) is(are) NOT true?

- a. TCP is not reliable .
- b. UDP is not reliable.
- c. TCP is fast and UDP is slow.
- d. In HTTPS, all communication between two computers are encrypted.

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a
c

☐ Lecture 46 :
Demonstration-
XVII (unit?
unit=80&lesson=81)

☐ Lecture 47 :
Demonstration-
XVIII (unit?
unit=80&lesson=82)

☐ Lecture 48 :
Networking with
Java (unit?
unit=80&lesson=83)

☐ Lecture 49 :
Demonstration-
XIX (unit?
unit=80&lesson=84)

☐ Lecture 50 :
JDBC - I (unit?
unit=80&lesson=85)

☐ Quiz: Week 10
: Assignment
10
(assessment?
name=141)

☐ Week 10 :
Programming
Assignment 1
(/noc21_cs56/progassignment?
name=185)

☐ Week 10 :
Programming
Assignment 2
(/noc21_cs56/progassignment?
name=186)

☐ Week 10 :
Programming
Assignment 3
(/noc21_cs56/progassignment?
name=187)

☐ Week 10 :
Programming
Assignment 4
(/noc21_cs56/progassignment?
name=188)

☐ Week 10 :
Programming

2) Which of the following statement(s) is/are true?

1 point

- a. DatagramSocket is a UDP endpoint API .
- b. DatagramSocket is a TCP server API .
- c. ServerSocket is a TCP server API.
- d. ServerSocket is a TCP client API.

- ☐ a
☐ b
☐ c
☐ d

No, the answer is incorrect.
Score: 0

Accepted Answers:

a
c

3)

1 point

Which of the following is/are interface(s) present in java.net package?

- a. InetAddress
- b. URLConnection
- c. SocketOptions
- d. HttpURLConnection

- ☐ a
☐ b
☐ c
☐ d

No, the answer is incorrect.
Score: 0

Accepted Answers:

c

4)

1 point

Which of the following statement(s) is/are true?

- a. URL is the acronym for Uniform Resource Locator.
- b. A URL takes the form of a string that describes how to find a resource on the Internet.
- c. URLs have two main components: the protocol needed to access the resource and the location of the resource.
- d. The URL class is present in the java.net package.

- ☐ a
☐ b

Assignment 5
(/noc21_cs56/progassignment?
name=189)

☐ Feedback For
Week 10 (unit?
unit=80&lesson=86)

Week 11 : ()

Week 12 : ()

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10.00PM). ()**

- ☐ c
☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

- a
b
c
d

5) **In the following URL, identify the Resource name?**

1 point

https://nptel.ac.in

- a. https
b. nptel.ac.in
c. ac.in
d. https://nptel.ac.in

- ☐ a
☐ b
☐ c
☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

- b

6) **Which of the following is/are application layer protocol(s)?**

1 point

- a. TCP
b. UDP
c. HTTP
d. FTP

- ☐ a
☐ b
☐ c
☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

- c
d

7)

1 point

In the socket programming, for an IP address, which can be used to find the host name and IP address of a client/ server?

- a. The ServerSocket class
- b. The Socket class
- c. The InetAddress class
- d. The Connection interface

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

c

8)

1 point

Which of the following is/are valid Data Manipulation Language (DML) command(s)?

- a. SELECT
- b. INSERT
- c. UPDATE
- d. ALTER TABLE

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

b

c

9)

1 point

In JDBC, all raw data types (including binary documents or images) should be read and uploaded to the database as an array of

- a. int
- b. char
- c. byte
- d. String

- ☐ a

- ☐ b
☐ c
☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

c

10)

1 point

The package, which is required to be imported for the JDBC programming?

- a. java.net
b. java.sql
c. java.lang
d. java.io

- ☐ a
☐ b
☐ c
☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

X

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Week 2 : ()

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Week 4 : ()

Week 5 : ()

Week 6 : ()

Week 7 : ()

Week 8 : ()

Week 9 : ()

Week 10 : ()

Week 11 : Assignment 11

The due date for submitting this assignment has passed.

Due on 2021-10-13, 23:59 IST.

As per our records you have not submitted this assignment.

1) Which of the following is not a JDBC drivers?

1 point

- a. Native – API driver
- b. Thin driver
- c. Network protocol driver
- d. Local Protocol driver

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

2) Which of the following is a JDBC class component?

1 point

- a. Connection
- b. ResultSet
- c. Statement
- d. Driver

Week 11 : ()

☐ Lecture 51 :
JDBC—II (unit?
unit=87&lesson=88)

☐ Lecture 52 :
JDBC—III
(unit?
unit=87&lesson=89)

☐ Lecture 53 :
Demonstration
—XX (unit?
unit=87&lesson=90)

☐ Lecture 54 :
Demonstration
—XXI (unit?
unit=87&lesson=91)

☐ Lecture 55 :
Demonstration
—XXII (unit?
unit=87&lesson=92)

☐ Quiz: Week 11
: Assignment
11
(assessment?
name=142)

☐ Week 11 :
Programming
Assignment 1
(/noc21_cs56/progassignment?
name=167)

☐ Week 11 :
Programming
Assignment 2
(/noc21_cs56/progassignment?
name=168)

☐ Week 11 :
Programming
Assignment 3
(/noc21_cs56/progassignment?
name=169)

☐ Week 11 :
Programming
Assignment 4
(/noc21_cs56/progassignment?
name=170)

- ☐ a
☐ b
☐ c
☐ d

No, the answer is incorrect.
Score: 0

Accepted Answers:
b

3)

1 point

As with Statement objects, to execute a PreparedStatement object, it need to be call an execute statement. Which of the following statement(s) is/are true regarding this?

- a. executeQuery: if the query returns only one ResultSet (such as a SELECT SQL statement).
b. executeUpdate: if the query does not return a ResultSet (such as an UPDATE SQL statement).
c. execute: if the query might return more than one ResultSet object.
d. executupdateQuery: if the query does return a ResultSet (such as an UPDATE SQL statement).

- ☐ a
☐ b
☐ c
☐ d

No, the answer is incorrect.
Score: 0

Accepted Answers:

- a
b
c

4)

1 point

Which of the following statement(s) is/are true, when the return value for executeUpdate is 0 ?

- a. The statement executed was an update statement that affected zero rows.
b. The statement executed was a DDL statement.
c. The statement executed was an update statement that affected one row.
d. The statement executed was a DCL statement.

- ☐ a
☐ b
☐ c
☐ d

- ☐ Week 11 :
Programming
Assignment 5
(/noc21_cs56/progassignment?
name=171)
- ☐ Feedback For
Week 11 (unit?
unit=87&lesson=93)

Week 12 : ()

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Exam Oct
2021 (Second
Session):
(8.00PM -
10.00PM). ()**

No, the answer is incorrect.

Score: 0

Accepted Answers:

a
b

5)

1 point

Which of the following statement is used for executing a database stored procedure?

- a. Statement
- b. PreparedStatement
- c. CallableStatement
- d. None of these

☐ a
☐ b
☐ c
☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

c

6)

1 point

Once a JDBC driver has been registered, which of the following method is used to make a database connection?

- a. getConnection(String url, String userID, String password)
- b. setConnection(String url, String userID, String password)
- c. Connect(String url, String userID, String password)
- d. Any one of the above.

☐ a
☐ b
☐ c
☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

7)

1 point

The SQL command "USE test" implies, which of the following?

- a. List all the databases those are there in the database server.
- b. List all the tables those are there under the database.
- c. Create a table called test.
- d. Set test as the current working database, so that any SQL command bind to the test database only.

☐ a

- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

8)

1 point

What happens after execution of the following code?

```
import java.sql.*;
class InsertPrepared{
    public static void main(String args[]){
        try{
            Class.forName("com.mysql.jdbc.Driver");
            Connection con=DriverManager.getConnection(
                "jdbc:mysql://localhost/database","Java","july");
            PreparedStatement stmt=con.prepareStatement("INSERT INTO
table VALUES(?,?)");
            stmt.setInt(1,"Joe");
            stmt.setString(2,"Dan");
            stmt.executeUpdate();
            con.close();
        }
        catch(Exception e){
            System.out.println(e);
        }
    }
}
```

- a. Compilation error
- b. Runtime error
- c. 1, "Joe" is replaced by 2, "Dan"
- d. "Joe" and "Dan" both are inserted in different columns of same row.

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

9)

1 point

How do you know in your Java program that a SQL warning is generated as a result of executing a SQL statement in the database?

- a. You must catch the checked SQLException which is thrown by the method which executes the statement.
- b. You must catch the unchecked SQLWarningException which is thrown by the method which executes the statement.
- c. You must invoke the getWarnings() method on the Statement object (or a sub interface thereof).
- d. You must query the ResultSet object about possible warnings generated by the database.

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

c

10) Which one of the following SQL type represent getfloat()?

1 point

- a. FLOAT
- b. REAL
- c. INTEGER
- d. DOUBLE

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

X

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Week 5 : ()

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Week 7 : ()

Week 8 : ()

Week 9 : ()

Week 10 : ()

Week 12 : Assignment 12

The due date for submitting this assignment has passed.

Due on 2021-10-20, 23:59 IST.

As per our records you have not submitted this assignment.

1)

1 point

Which statement is true in case of using “this” keyword in a static method?

- a. “this” keyword can be used in static method to access static variables only
- b. “this” keyword can't be used in static method
- c. “this” keyword can be used in static method
- d. None

☐ a☐ b☐ c☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

Week 11 : ()**Week 12 : ()**

- ☐ Lecture 56 :
Case Study - I
(unit?
unit=94&lesson=95)
- ☐ Lecture 57 :
Case Study - II
(unit?
unit=94&lesson=96)
- ☐ Lecture 58 :
Case Study - III
(unit?
unit=94&lesson=97)
- ☐ Lecture 59 :
Case Study - IV
(unit?
unit=94&lesson=98)
- ☐ Lecture 60 :
Case Study - V
(unit?
unit=94&lesson=99)
- ☐ **Quiz: Week 12 : Assignment 12**
(assessment?
name=143)

- ☐ Week 12 :
Programming
Assignment 1
(/noc21_cs56/progassignment?
name=212)
- ☐ Week 12 :
Programming
Assignment 2
(/noc21_cs56/progassignment?
name=213)
- ☐ Week 12 :
Programming
Assignment 3
(/noc21_cs56/progassignment?
name=214)
- ☐ Week 12 :
Programming

2) State whether the following statements are True or False.

1 point

- i) A catch can have comma-separated multiple arguments.
- ii) Throwing an Exception always causes program termination.

- a. True, False
- b. False, True
- c. True, True
- d. False, False

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.
Score: 0

Accepted Answers:
d

3) Which of the following contains both date and time?

1 point

- a. java.io.date
- b. java.sql.date
- c. java.util.date
- d. java.util.dateTime

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.
Score: 0

Accepted Answers:

c

4)

1 point

Assignment 4
(/noc21_cs56/progassignment
name=215)

☐ Week 12 :
Programming
Assignment 5
(/noc21_cs56/progassignment
name=216)

☐ Feedback For
Week 12 (unit?
unit=94&lesson=100)

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2021 (Second
Session):
(8.00PM -
10.00PM). ()**

In Graphics class which method is used to draw a rectangle with the specified width and height?

- a. `public void drawRect(int x, int y, int width, int height)`
- b. `public abstract void fillRect(int x, int y, int width, int height)`
- c. `public abstract void drawLine(int x1, int y1, int x2, int y2)`
- d. `public abstract void drawOval(int x, int y, int width, int height)`

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.
Score: 0

Accepted Answers:

a

5)

1 point

Which of the following control expressions are valid for an if statement?

- a. Any integer expression.
- b. Any Boolean expression.
- c. A String object.
- d. Any expression with mixed arithmetic.

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.
Score: 0

Accepted Answers:

b

6) Consider the following program:

1 point

```
String animal = "GOAT";  
switch(animal)  
{  
    break: System.out.println("DOMESTIC");  
}
```

What is the output of the Java program given above?

- a. No output
- b. GOAT
- c. DOMESTIC
- d. Compiler error

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

7)

1 point

Consider the following program:

```
public class Question
{
    public static void main(String[] args) {
        String str = "january java nptel.";

        System.out.println(str.charAt(7)+str.substring(9, 12));
    }
}
```

What is the output of the following program?

- a. java
- b. ava
- c. y java
- d. january

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

8)

1 point

Which of the following statements would cause a compilation error?

- a. float[] = new float(3);
- b. float f2[] = new float[];
- c. float[] f1 = new float[3];
- d. float f3[] = new float[3];
- e. float f5[]={ 1.0f, 2.0f, 2.0f };
- f. float f4[] = new float[] { 1.0f, 2.0f, 3.0f};

- ☐ a

- ☐ b
- ☐ c
- ☐ d
- ☐ e
- ☐ f

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

b

9) Consider the following piece of code in Java.

1 point

```
public class Test {  
    public static void aMethod() throws Exception {  
        try {  
            throw new Exception();  
        }  
        finally {  
            System.out.print("finally ");  
        }  
    }  
    public static void main(String args[]){  
        try {  
            aMethod();  
        }  
        catch (Exception e) {  
            System.out.print("exception ");  
        } finally {  
            System.out.print("finally ");  
        }  
  
        System.out.print("finished ");  
    }  
}
```

What is the result, if the above-mentioned program is executed?

- a. finally
- b. finally exception finally finished
- c. finally exception finished
- d. Compilation fails

- ☐ a
- ☐ b
- ☐ c

☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

10)

1 point

Which is a component in AWT that can contain another components like buttons, textfields, labels etc.?

- a. Window
- b. Container
- c. Panel
- d. Frame

☐ a

☐ b

☐ c

☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b