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abinash123456aks@gmail.com ▾

NPTEL (<https://swayam.gov.in/explorer?ncCode=NPTEL>) » Programming In Java (course)Course  
outlineHow 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 2022-02-09, 23:59 IST.

Assignment submitted on 2022-01-21, 12:03 IST

1) Which of the following is not a Language Processor? 1 point

- a. Assembler
- b. Compiler
- c. Interpreter
- d. Fortran

- ☐ a.
- ☐ b.
- ☐ c.
- ☒ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

d.

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

● Quiz: Week 1 :  
Assignment 1  
(assessment?  
name=128)

● Week 1:  
Programming  
Assignment 1  
(/noc22\_cs47/progassignment?  
name=129)

● Week 1 :  
Programming  
Assignment 2  
(/noc22\_cs47/progassignment?  
name=130)

● Week 1 :  
Programming  
Assignment 3  
(/noc22\_cs47/progassignment?  
name=131)

● Week 1 :  
Programming  
Assignment 4  
(/noc22\_cs47/progassignment?  
name=132)

● Week 1 :  
Programming  
Assignment 5  
(/noc22\_cs47/progassignment?  
name=133)

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

○ Assignment 1  
Solution (unit?  
unit=17&lesson=170)

Week 2 : ()

Week 3 : ()

Week 4 : ()

2) Which of the following is not a valid comment?

1 point

- a. /\*\* comment \*/
- b. /\* comment \*/
- c. /\* comment
- d. // comment

- ☐ a.
- ☐ b.
- ☒ c.
- ☐ d.

Yes, the answer is correct.  
Score: 1

Accepted Answers:

c.

3)

1 point

Consider the following program.

```
public class Question{
    public static void main(String args[]){
        for(int a=2;a<3;a+=1){
            System.out.print(a+++a);
        }
    }
}
```

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

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

- ☒ a.
- ☐ b.
- ☐ c.
- ☐ d.

Yes, the answer is correct.  
Score: 1

Accepted Answers:

a.

4)

1 point

[Week 5 : \(\)](#)[Week 6 : \(\)](#)[Week 7 : \(\)](#)[Week 8 : \(\)](#)[Week 9 : \(\)](#)[Week 10 : \(\)](#)[Week 11 : \(\)](#)[Week 12 : \(\)](#)[DOWNLOAD  
VIDEOS \(\)](#)[Books \(\)](#)[Text  
Transcripts \(\)](#)[SET-I  
Unproctored  
Exam \(\)](#)[SET-II  
Unproctored  
Exam \(\)](#)**Which of the following can be used for a variable name in Java?**

- a. boolean
- b. final
- c. finally
- d. calloc

- ☐ a.
- ☐ b.
- ☐ c.
- ☒ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

d.

5)

**1 point**

Consider the following program.

```
public class Question1{  
    public static void main(String args[]){  
        int arr[]={0,1,2,3,4,5,6,7};  
        for(int b=5;b>2;b-=2){  
            System.out.println(arr[--b]);  
        }  
    }  
}
```

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

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

- ☒ a.
- ☐ b.
- ☐ c.
- ☐ d.

Yes, the answer is correct.

Score: 1

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[]={'S','W','A','Y','A','M'};  
        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.

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

7)

1 point

**What is the output of this program?**

```
public class Question {  
    public static void main(String args[])  
    {  
        int i = 7;  
        System.out.print(--i * 7);  
    }  
}
```

- a. 20
- b. 25
- c. 42
- d. 31

- ☐ a.
- ☐ b.
- ☒ c.
- ☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

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.

Yes, the answer is correct.

Score: 1

Accepted Answers:

d.

9)

**1 point**

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

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

- ☒ a.
- ☐ b.
- ☐ c.
- ☒ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

- a.
- d.

10)

**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.

Yes, the answer is correct.

Score: 1

Accepted Answers:

- b.

X

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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 2022-02-09, 23:59 IST.

Assignment submitted on 2022-02-01, 06:12 IST

1)

1 point

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.

Yes, the answer is correct.



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

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

**Quiz: Week 2 :  
Assignment 2  
(assessment?  
name=134)**

- Week 2 :**  
Programming  
Assignment 1  
(/noc22\_cs47/progassignment?  
name=135)

- Week 2 :**  
Programming  
Assignment 2  
(/noc22\_cs47/progassignment?  
name=136)

- Week 2 :**  
Programming  
Assignment 3  
(/noc22\_cs47/progassignment?  
name=137)

- Week 2 :**  
Programming  
Assignment 4  
(/noc22\_cs47/progassignment?  
name=138)

- Week 2 :**  
Programming  
Assignment 5  
(/noc22\_cs47/progassignment?  
name=139)

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

- ☐ Assignment 2  
Solution (unit?  
unit=24&lesson=171)

**Week 3 : ()**

**Week 4 : ()**

Score: 1

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.

Yes, the answer is correct.

Score: 1

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.

Yes, the answer is correct.



Week 5 : ()

Week 6 : ()

Week 7 : ()

Week 8 : ()

Week 9 : ()

Week 10 : ()

Week 11 : ()

Week 12 : ()

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Exam ()

SET-II  
Unproctored  
Exam ()

Score: 1

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

☐ a.☒ b.☒ c.☐ d.

Yes, the answer is correct.

Score: 1

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.

Yes, the answer is correct.

Score: 1

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.

Yes, the answer is correct.

Score: 1

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.

Yes, the answer is correct.

Score: 1

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.

Yes, the answer is correct.

Score: 1

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.

Yes, the answer is correct.

Score: 1

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.

Yes, the answer is correct.

Score: 1

Accepted Answers:

d.

X

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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 2022-02-16, 23:59 IST.****Assignment submitted on 2022-02-09, 05:08 IST**

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=163)**

☒ Week 3 :  
Programming  
Assignment 1  
(/noc22\_cs47/progassignment?  
name=157)

☒ Week 3 :  
Programming  
Assignment 2  
(/noc22\_cs47/progassignment?  
name=158)

☒ Week 3 :  
Programming  
Assignment 3  
(/noc22\_cs47/progassignment?  
name=159)

☒ Week 3 :  
Programming  
Assignment 4  
(/noc22\_cs47/progassignment?  
name=161)

☒ Week 3 :  
Programming  
Assignment 5  
(/noc22\_cs47/progassignment?  
name=162)

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

☐ Assignment 3  
Solution (unit?  
unit=31&lesson=173)

**Week 4 : ()**

**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.j - super.i ;
        System.out.println(super.i + " " + super.j);
    }
}
public class inheritance
{
    public static void main(String args[])
    {
        B obj = new B();
        obj.i=3;
        obj.j=6;
        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.

Yes, the answer is correct.

Score: 1

Accepted Answers:

b.

**1 point**

Week 5 : ()

Week 6 : ()

Week 7 : ()

Week 8 : ()

Week 9 : ()

Week 10 : ()

Week 11 : ()

Week 12 : ()

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Exam \(\)](#)

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 = 2;
        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.

Yes, the answer is correct.

Score: 1

Accepted Answers:

a.

3)

**1 point**

If a class inheriting an abstract class does not define all of its functions then it will be known as?

- a) Default
- b) Abstract
- c) A simple class
- d) Static class

- ☐ a.
- ☒ b.
- ☐ c.
- ☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

b.

4)

**1 point**



**Which among the following best describes polymorphism?**

- a) It is the ability for many messages/data to be processed in one way
- b) It is the ability for a message/data to be processed in only 1 form
- c) It is the ability for a message/data to be processed in more than one form
- d) It is the ability for undefined message/data to be processed in at least one way

- ☐ a.
- ☐ b.
- ☒ c.
- ☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

5)  
Consider the following piece of code in Java

**1 point**

```
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 is the output of the above program?**

- a. 30
- b. 20
- c. Compiler error
- d. Runtime error

- ☐ a.  
☐ b.  
☒ c.  
☐ d.

Yes, the answer is correct.  
Score: 1

Accepted Answers:

c.

6) **All the variables of the 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.

Yes, the answer is correct.  
Score: 1

Accepted Answers:

c.

7)

1 point

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

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

- ☐ a.  
☒ b.  
☐ c.  
☐ d.

Yes, the answer is correct.  
Score: 1

Accepted Answers:

b.

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

1 point

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

- ☐ a.
- ☐ b.
- ☒ c.
- ☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

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?

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

- ☐ a.
- ☒ b.
- ☐ c.
- ☒ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

b.

d.

10)

1 point

Which of the following statement(s) is/are 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 **static field**.
- d. A local variable stores temporary state; it is declared inside a **method**.

☒ a.

☒ b.

☒ c.

☒ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

a.

b.

c.

d.

X

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Week 0 : ( )

Week 1 : ( )

Week 2 : ( )

Week 3 : ( )

Week 4 : ( )

☐ 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 2022-02-23, 23:59 IST.

Assignment submitted on 2022-02-19, 21:30 IST

1)

1 point

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

- 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. Runnable is a class present in java.lang package.
- d. Thread is a class present in java.lang package.

☒ a.☒ b.☐ c.☒ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

a.

b.

d.

2)

1 point

☐ 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=169)

☒ Week 4 :  
Programming  
Assignment 1  
(/noc22\_cs47/progassignment?  
name=164)

☒ Week 4 :  
Programming  
Assignment 2  
(/noc22\_cs47/progassignment?  
name=165)

☒ Week 4 :  
Programming  
Assignment 3  
(/noc22\_cs47/progassignment?  
name=166)

☒ Week 4 :  
Programming  
Assignment 4  
(/noc22\_cs47/progassignment?  
name=167)

☒ Week 4 :  
Programming  
Assignment 5  
(/noc22\_cs47/progassignment?  
name=168)

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

☐ Assignment 4  
Solution (unit?  
unit=38&lesson=181)

**Week 5 : ()**

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

- With the import statement, generally import only a single package member or an entire package.
- To import all the types contained in a particular package, use the import statement with the asterisk (\*) wildcard character.  
`import package.*;`
- `import package.A*;` it used to match a subset of the classes in a package starts with "A".
- `import package.A*;` it generates compilation error.

- ☐ a.  
☐ b.  
☒ c.  
☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

3)

1 point

**Which of the following is/are class(s) of java.awt package?**

- CardLayout
- Checkbox
- Choice
- MenuContainer

- ☒ a.  
☒ b.  
☒ c.  
☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

a.

b.

c.

4)

1 point

Week 6 : ()

Week 7 : ()

Week 8 : ()

Week 9 : ()

Week 10 : ()

Week 11 : ()

Week 12 : ()

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

- a. public
- b. protected
- c. private
- d. Both b and c

- ☒ a.  
☐ b.  
☐ c.  
☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

a.

5)

1 point

Consider the program given below.

```
import static java.lang.Math.*;
public class Main{
    public static void main(String args[]){
        System.out.println(cos(3*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.

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.



6)

1 point

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

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

- ☐ a.
- ☒ b.
- ☐ c.
- ☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

b.

7)

1 point

Consider the program given below.

```
import static java.lang.System.*;
public class Question{
    public static void main(String args[])
    {
        out.println("JAVA");
    }
}
```

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. JAVA
- d. JAV

- ☐ a.
- ☐ b.
- ☒ c.
- ☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

8)

1 point

Which of the following is/are NOT 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.

Yes, the answer is correct.

Score: 1

Accepted Answers:

a.

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.

Yes, the answer is correct.

Score: 1

Accepted Answers:

d.

10)

1 point

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

- 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 an interface in java.lang package.
- d. Thread is a class present in java.lang package.

- ☒ a.
- ☒ b.
- ☐ c.
- ☒ d.

Partially Correct.

Score: 0.75

Accepted Answers:

a.

b.

c.

d.

X

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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 2022-03-02, 23:59 IST.

Assignment submitted on 2022-03-02, 22:18 IST

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

- 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

Yes, the answer is correct.

Score: 1

Accepted Answers:

b

2) 1 point

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=172)**

☒ Week 5 :  
Programming  
Assignment 1  
(/noc22\_cs47/progassignment?  
name=140)

☒ Week 5 :  
Programming  
Assignment 2  
(/noc22\_cs47/progassignment?  
name=141)

☒ Week 5 :  
Programming  
Assignment 3  
(/noc22\_cs47/progassignment?  
name=142)

☒ Week 5 :  
Programming  
Assignment 4  
(/noc22\_cs47/progassignment?  
name=143)

☒ Week 5 :  
Programming  
Assignment 5  
(/noc22\_cs47/progassignment?  
name=144)

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

Which of the following is not true about custom exception in java?

- class Exception extends Exp {  
    public Exception () {super () ;}  
    public Exception (String s) {super(s);}  
}
- class Exception extends Exp{  
    Exception(String s){  
        super(s);  
    }  
}
- public class Exception extends Exp {  
    public Exception(String s) {  
        super(s);  
    }  
}
- class Exception extends Exp {  
    public Exception () {super () ;}

- ☐ a  
☐ b  
☐ c  
☒ d

Yes, the answer is correct.

Score: 1

Accepted Answers:

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

1 point

- Serializable
- Cloneable
- Remote
- Cascading

- ☐ a  
☐ b  
☐ c  
☒ d

Yes, the answer is correct.

- ☐ Assignment 5  
Solution (unit?  
unit=45&lesson=188)

Week 6 : ()

Week 7 : ()

Week 8 : ()

Week 9 : ()

Week 10 : ()

Week 11 : ()

Week 12 : ()

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SET-II  
Unproctored  
Exam ()

Score: 1

Accepted Answers:

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

Yes, the answer is correct.

Score: 1

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

c

- 6) Which of the following keywords is not a part of exception handling? 1 point

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

- ☐ a  
☐ b  
☐ c  
☒ d

Yes, the answer is correct.  
Score: 1

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

Yes, the answer is correct.  
Score: 1

Accepted Answers:  
b

8) **1 point**

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

- a. ArrayElementOutOfBound  
b. ArrayIndexOutOfBound  
c. ArraySizeOutOfBound  
d. None of the above

- ☐ a  
☐ b  
☐ c  
☒ d

Yes, the answer is correct.  
Score: 1

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

Yes, the answer is correct.

Score: 1

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

*b*

X


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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 2022-03-09, 23:59 IST.

Assignment submitted on 2022-02-27, 20:14 IST

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

Yes, the answer is correct.

Score: 1

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=180)

☒ Week 6 :  
Programming  
Assignment 1  
(/noc22\_cs47/progassignment?  
name=174)

☒ Week 6 :  
Programming  
Assignment 2  
(/noc22\_cs47/progassignment?.....  
name=175)

☒ Week 6 :  
Programming  
Assignment 3  
(/noc22\_cs47/progassignment?  
name=177)

☒ Week 6 :  
Programming  
Assignment 4  
(/noc22\_cs47/progassignment?  
name=176)

☒ Week 6 :  
Programming  
Assignment 5  
(/noc22\_cs47/progassignment?  
name=179)

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

☐ Assignment 6  
Solution (unit?  
unit=52&lesson=190)

What is difference between starting thread with run() and start() method?

- a. There is no difference
- b. When you call start() method, main thread internally calls run() method to start newly created Thread
- c. run() calls start() method internally
- d. None

- ☐ a  
☒ b  
☐ c  
☐ d

Yes, the answer is correct.  
Score: 1

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

Yes, the answer is correct.  
Score: 1

Accepted Answers:  
a

4) 1 point

Week 7 : ()

Week 8 : ()

Week 9 : ()

Week 10 : ()

Week 11 : ()

Week 12 : ()

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**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

- ☐ a  
☐ b  
☐ c  
☒ d

Yes, the answer is correct.

Score: 1

Accepted Answers:

d

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

**1 point**

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

- ☐ a  
☐ b  
☐ c

☒ d

Yes, the answer is correct.

Score: 1

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

Yes, the answer is correct.

Score: 1

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 tl=new Question();
        tl.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

Yes, the answer is correct.

Score: 1

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

Yes, the answer is correct.

Score: 1

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

b

c

d

10)

1 point

**Which of these keywords is/are a part of exception handling?**

- a) try
- b) finally
- c) thrown
- d) catch

☒ a

☒ b

☐ c

☒ d

Yes, the answer is correct.

Score: 1

Accepted Answers:

*a*

*b*

*d*

X

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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 2022-03-16, 23:59 IST.

Assignment submitted on 2022-03-12, 09:15 IST

1)

1 point

Which of the following streams contains the classes which can work on character stream?

- a. InputStream
- b. OutputStream
- c. FileReader
- d. FileWriter

☐ a☐ b☒ c☒ d

Yes, the answer is correct.

Score: 1

Accepted Answers:

c

d

2)

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=187)**

☐ Week 7 :  
Programming  
Assignment 1  
(/noc22\_cs47/progassignment  
name=182)

☐ Week 7 :  
Programming  
Assignment 2  
(/noc22\_cs47/progassignment  
name=183)

☐ Week 7 :  
Programming  
Assignment 3  
(/noc22\_cs47/progassignment  
name=184)

☐ Week 7 :  
Programming  
Assignment 4  
(/noc22\_cs47/progassignment  
name=185)

☐ Week 7 :  
Programming  
Assignment 5  
(/noc22\_cs47/progassignment  
name=186)

In which Java APIs the classes for handling all IO-streams are defined?

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

- ☐ a  
☐ b  
☒ c  
☐ d

Yes, the answer is correct.  
Score: 1

Accepted Answers:

c

3)

1 point

```
import java.io.*;

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

            PrintWriter writer = new PrintWriter(System.out);

            writer.write(9+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. j
- d. 106

- ☐ a  
☐ b

- ☐ Feedback For Week 7 (unit? unit=59&lesson=65)
- ☐ Assignment 7 Solution (unit? unit=59&lesson=204)

Week 8 : ()

Week 9 : ()

Week 10 : ()

Week 11 : ()

Week 12 : ()

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- ☒ c
- ☐ d

Yes, the answer is correct.

Score: 1

Accepted Answers:

c

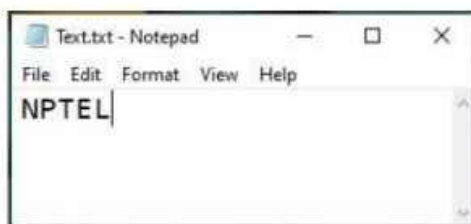
4)

1 point

```
import java.io.*;

public class Question7{
    public static void main(String[]args){
        try{
            InputStream file =new FileInputStream("./Text.txt");
            System.out.print(file.available());
        }
        catch(Exception e){
            System.out.print(e);
        }
    }
}
```

The file ./Text.txt when opened with the Notepad text editor, it shows the content as shown below.



Which of the following is the correct output for the 'try' portion of the code?

- a. Prints the number of bytes in the file.
- b. Prints the number of characters in the file.
- c. Prints 'true', if the file is present; else prints 'false'.
- d. Prints nothing, as an exception will be caught.

- ☒ a
- ☐ b
- ☐ c
- ☐ d

Yes, the answer is correct.

Score: 1

Accepted Answers:

a

5)

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

*b*

**6) Which of the following is/are Standard Stream(s)?**

**1 point**

- a. `System.in`
- b. `System.out`
- c. `System.err`
- d. `System.console`

- ☒ a
- ☒ b
- ☒ c
- ☐ d

Yes, the answer is correct.

Score: 1

Accepted Answers:

*a*

*b*

*c*

**7)**

**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

Yes, the answer is correct.

Score: 1

Accepted Answers:

a

8)

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

b

9)

1 point

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

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

- ☐ a  
☒ b  
☒ c  
☒ d

Yes, the answer is correct.

Score: 1

Accepted Answers:

b

c

d

10)

1 point



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

- a. DataStreams detects an end-of-file condition by using EOFException, instead of testing for an invalid return value.
- b. DataStreams uses floating point numbers to represent monetary values.
- c. Data streams support I/O of primitive data types.
- d. Object streams support I/O of objects.

☒ a

☒ b

☒ c

☒ d

Yes, the answer is correct.

Score: 1

Accepted Answers:

*a*

*b*

*c*

*d*

X

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Week 1 : ( )

Week 2 : ( )

Week 3 : ( )

Week 4 : ( )

Week 5 : ( )

Week 6 : ( )

Week 7 : ( )

Week 8 : ( )

☐ Lecture 36 :  
Applet  
Programming -

## Week 8 : Assignment 8

The due date for submitting this assignment has passed.

Due on 2022-03-23, 23:59 IST.

Assignment submitted on 2022-03-13, 22:01 IST

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

d

2) 1 point

III (unit?  
unit=66&lesson=67)

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

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

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

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

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

☒ Quiz: Week 8 :  
Assignment 8  
(assessment?  
name=189)

☒ Week 8 :  
Programming  
Assignment 1  
(/noc22\_cs47/progassignment?  
name=145)

☒ Week 8 :  
Programming  
Assignment 2  
(/noc22\_cs47/progassignment?  
name=146)

☒ Week 8 :  
Programming  
Assignment 3  
(/noc22\_cs47/progassignment?  
name=147)

☒ Week 8 :  
Programming  
Assignment 4

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

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

☒ a

☐ b

☐ c

☐ d

Yes, the answer is correct.

Score: 1

Accepted Answers:

a

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)

☐ a

☒ b

☐ c

☐ d

Yes, the answer is correct.

Score: 1

Accepted Answers:

b

4)

1 point

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

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

☐ a

☒ b

(/noc22\_cs47/progassignment?  
name=148)

- Week 8 :  
Programming  
Assignment 5  
(/noc22\_cs47/progassignment?  
name=149)
- Assignment 8  
Solution (unit?  
unit=66&lesson=212)

Week 9 : ()

Week 10 : ()

Week 11 : ()

Week 12 : ()

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Transcripts ()

SET-I  
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Exam ()

SET-II  
Unproctored  
Exam ()

- ☐ c  
☐ d

Yes, the answer is correct.

Score: 1

Accepted Answers:

b

5)

1 point

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

Yes, the answer is correct.

Score: 1

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

Yes, the answer is correct.

Score: 1

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

Yes, the answer is correct.

Score: 1

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

Yes, the answer is correct.

Score: 1

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

Yes, the answer is correct.

Score: 1

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

c

X

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Week 3 : ( )

Week 4 : ( )

Week 5 : ( )

Week 6 : ( )

Week 7 : ( )

Week 8 : ( )

Week 9 : ( )

☐ Lecture 41 :  
Demonstration-

## Week 9 : Assignment 9

The due date for submitting this assignment has passed.

Due on 2022-03-30, 23:59 IST.

Assignment submitted on 2022-03-23, 21:06 IST

1)

1 point

Select the correct statement(s) in the following.

- a. JTextField cannot be used as an alternative to JLabel.
- b. JLabel cannot be used as an alternative to JTextField.
- c. Button grouped radio button can be used as an alternative to JComboBox.
- d. The class JPasswordField extends the class JLabel.

☐ a☒ b☐ c☐ d

Partially Correct.

Score: 0.5

Accepted Answers:

b

c



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)

☐ Feedback For  
Week 9 (unit?  
unit=73&lesson=79)

☒ Week 9 :  
Programming  
Assignment 1  
(/noc22\_cs47/progassignment?  
name=191)

☒ Week 9 :  
Programming  
Assignment 2  
(/noc22\_cs47/progassignment?  
name=192)

☒ Week 9 :  
Programming  
Assignment 3  
(/noc22\_cs47/progassignment?  
name=193)

☒ Week 9 :  
Programming  
Assignment 4  
(/noc22\_cs47/progassignment?  
name=194)

☒ Week 9 :  
Programming

2) **In Java AWT, TextArea and TextField are subclass of:**

1 point

- a. List.
- b. Label.
- c. TextComponent.
- d. TextComponent and Label, respectively.

- ☐ a  
☐ b  
☒ c  
☐ d

Yes, the answer is correct.

Score: 1

Accepted Answers:

c

3)

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("Cancel"));
        frame.add(new JButton("OK "));
        frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        frame.setSize(200, 200);
        frame.setVisible(true);
    }
}
```

Which button will be displayed(or can be seen by user)?

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

- ☒ a  
☐ b  
☐ c  
☐ d

Yes, the answer is correct.

Score: 1

Accepted Answers:

a

Assignment 5  
(/noc22\_cs47/progassignment?name=195)

● Quiz: Week 9 :  
Assignment 9  
(assessment?  
name=203)

○ Assignment 9  
Solution (unit?  
unit=73&lesson=214)

Week 10 : ()

Week 11 : ()

Week 12 : ()

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Unproctored  
Exam ()

4)

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 not a valid constants for horizontal alignment?

- a. RIGHT
- b. LEADING
- c. TRAILING
- d. TOP

- ☐ a
- ☐ b
- ☐ c
- ☒ d

Yes, the answer is correct.

Score: 1

Accepted Answers:

d

5)

1 point

Which of the following is/ are not related with keyboard event?

- a. Class KeyEvent is used to notify if any key pressed occurs or not.
- b. The KeyListener should be added either in init() or the main method.
- c. RequestFocus should be added either in init() or the main method.
- d. The class InputEvent should be imported explicitly in the program.

- ☐ a
- ☐ b
- ☐ c
- ☒ d

Yes, the answer is correct.

Score: 1

Accepted Answers:

d

6)

1 point

Which of the following Listener(s) is/are supported by button (Swing component)?

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

- ☒ a
- ☒ b
- ☒ c
- ☐ d

Yes, the answer is correct.  
Score: 1

Accepted Answers:

a  
b  
c

7)

1 point

**Which of the following Listener Interface does not have an Adapter Class?**

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

- ☒ a
- ☒ b
- ☐ c
- ☒ d

Yes, the answer is correct.  
Score: 1

Accepted Answers:

a  
b  
d

8)

1 point

To set a FlowLayout in a panel, say jp, which of the following method(s) that you can not use?

- a. `jp.setLayout(new FlowLayout());`
- b. `jp.setLayout(new FlowLayout(FlowLayout.CENTER));`
- c. `jp.setLayout(new FlowLayout(FlowLayout.CENTER));`
- d. `jp.setLayout(FlowLayout());`

- ☐ a
- ☐ b
- ☒ c
- ☒ d

Yes, the answer is correct.  
Score: 1

Accepted Answers:

c

d

9)

1 point

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

- a. MenuElement
- b. BoxLayout
- c. JComponent
- d. Scrollable

☒ a

☐ b

☐ c

☒ d

Yes, the answer is correct.

Score: 1

Accepted Answers:

a

d

10)

1 point

**Which package provides many methods for graphics programming?**

- a. java.awt
- b. java.Applet
- c. java.Graphics
- d. java.io

☒ a

☐ b

☐ c

☐ d

Yes, the answer is correct.

Score: 1

Accepted Answers:

a

X

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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 2022-04-06, 23:59 IST.

Assignment submitted on 2022-03-28, 20:06 IST

1)

1 point

Which of these is a protocol for breaking and sending packets to an address across a network?

- a. TCP/IP
- b. DNS
- c. Socket
- d. Proxy Server

☒ a☐ b☐ c☐ d

Yes, the answer is correct.

Score: 1

Accepted Answers:

a

☐ 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)

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

☒ Week 10 :  
Programming  
Assignment 1  
(/noc22\_cs47/progassignment?  
name=205)

☒ Week 10 :  
Programming  
Assignment 2  
(/noc22\_cs47/progassignment?  
name=206)

☒ Week 10 :  
Programming  
Assignment 3  
(/noc22\_cs47/progassignment?  
name=207)

☒ Week 10 :  
Programming  
Assignment 4  
(/noc22\_cs47/progassignment?  
name=208)

☒ Week 10 :  
Programming  
Assignment 5

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

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

Yes, the answer is correct.  
Score: 1

Accepted Answers:

b  
d

3)

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

Yes, the answer is correct.  
Score: 1

Accepted Answers:

c

4)

1 point

Which of the following package contains classes and interfaces for networking?

- a. java.io
- b. java.util
- c. java.net
- d. javax.swing

- ☐ a



(/noc22\_cs47/progassignment?  
name=209)

**Quiz: Week 10  
: Assignment  
10  
(assessment?  
name=211)**

☐ Assignment 10  
Solution (unit?  
unit=80&lesson=216)

**Week 11 : ()**

**Week 12 : ()**

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Transcripts ()**

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Exam ()**

**SET-II  
Unproctored  
Exam ()**

- ☐ b  
☒ c  
☐ d

Yes, the answer is correct.

Score: 1

Accepted Answers:

c

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

1 point

**https://xyz.ac.in**

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

- ☐ a  
☒ b  
☐ c  
☐ d

Yes, the answer is correct.

Score: 1

Accepted Answers:

b

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

1 point

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

- ☒ a  
☒ b  
☐ c  
☐ d

Yes, the answer is correct.

Score: 1

Accepted Answers:

a

b



7)

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

b

8)

1 point

Which of the following is/are valid Data Definition Language (DDL) command(s)?

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

- ☐ a
- ☐ b
- ☐ c
- ☒ d

Yes, the answer is correct.

Score: 1

Accepted Answers:

d

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

c

10)

**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. Connect(string url, string userID, string password).

- ☒ a  
☐ b  
☐ c  
☐ d

Yes, the answer is correct.

Score: 1

Accepted Answers:

a

X

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Week 3 : ( )

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 2022-04-13, 23:59 IST.

Assignment submitted on 2022-04-03, 19:38 IST

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

d

**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)

☐ Feedback For  
Week 11 (unit?  
unit=87&lesson=93)

☒ Week 11 :  
Programming  
Assignment 1  
(/noc22\_cs47/progassignment?  
name=150)

☒ Week 11 :  
Programming  
Assignment 2  
(/noc22\_cs47/progassignment?  
name=151)

☒ Week 11 :  
Programming  
Assignment 3  
(/noc22\_cs47/progassignment?  
name=152)

☒ Week 11 :  
Programming  
Assignment 4  
(/noc22\_cs47/progassignment?  
name=153)

☒ Week 11 :  
Programming

**2) Which of the following is a JDBC class component?****1 point**

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

☐ a☒ b☐ c☐ d

Yes, the answer is correct.

Score: 1

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

b

c

**4)****1 point**

Assignment 5  
(/noc22\_cs47/progassignm  
name=154)

**Quiz: Week 11  
: Assignment  
11  
(assessment?  
name=213)**

☐ Assignment 11  
Solution (unit?  
unit=87&lesson=231)

**Week 12 : ()**

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**SET-II  
Unproctored  
Exam ()**

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

Yes, the answer is correct.

Score: 1

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

Yes, the answer is correct.

Score: 1

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

Yes, the answer is correct.

Score: 1

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

Yes, the answer is correct.

Score: 1

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

Yes, the answer is correct.

Score: 1

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

Yes, the answer is correct.

Score: 1

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

b





X

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Week 0 : ( )

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Week 3 : ( )

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Week 6 : ( )

Week 7 : ( )

Week 8 : ( )

Week 9 : ( )

Week 10 : ( )

## Week 12 : Assignment 12

The due date for submitting this assignment has passed.

Due on 2022-04-20, 23:59 IST.

Assignment submitted on 2022-04-11, 08:54 IST

1)

1 point

Execution of SQL command like `SELECT * FROM myTable` using JDBC program will return a `ResultSet` object. This object is

- a. Same as the `myTable`.
- b. All records in verbatim from the table.
- c. All records in verbatim from the table but those records with null values.
- d. All records in verbatim from the table but those records are not with null values.

☐ a☒ b☐ c☐ d

Yes, the answer is correct.

Score: 1

Accepted Answers:

b

2)

1 point

**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)
- ☐ Feedback For  
Week 12 (unit?  
unit=94&lesson=100)
- ☒ Week 12 :  
Programming  
Assignment 2  
(/noc22\_cs47/progassignment  
name=197)
- ☒ Week 12 :  
Programming  
Assignment 3  
(/noc22\_cs47/progassignment  
name=198)
- ☒ Week 12 :  
Programming  
Assignment 4  
(/noc22\_cs47/progassignment  
name=199)
- ☒ Week 12 :  
Programming  
Assignment 5

Which of the following control expressions are not 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:

c  
d

3)

**1 point**

Let's consider the following program in Java.

```
class Test extends Thread {
    public void run() {
        System.out.println("I am from Run...");
    }
}

class MyProgram {
    public static void main(String[] args) {
        Test t = new Test();
        t.start();
    }
}
```

If you run this program the how many threads will be executed altogether?

- a. One thread only.
- b. Two threads only.
- c. Three threads only.
- d. No thread will run in this case.

- ☐ a  
☐ b  
☐ c

(/noc22\_cs47/progassignment?  
name=200)

- Week 12 :  
Programming  
Assignment 1  
(/noc22\_cs47/progassignment?  
name=202)

- Quiz: Week 12  
: Assignment  
12  
(assessment?  
name=215)

- Assignment 12  
Solution (unit?  
unit=94&lesson=232)

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**SET-II  
Unproctored  
Exam ()**

No, the answer is incorrect.

Score: 0

Accepted Answers:

*b*

4)

**1 point**

**Which of the statements are not correct about Swing programming?**

- a. AWT is a heavyweight programming.
- b. Swing is heavyweight programming.
- c. Swing is lightweight programming.
- d. Both AWT and Swing are lightweight programming

☐ a

☒ b

☐ c

☒ d

Partially Correct.

Score: 0.67

Accepted Answers:

*a*

*b*

*d*

5)

**1 point**

Which of the following displays components row-by-row in the order in which they were added to the JFrame?

- a. CardLayout
- b. FlowLayout
- c. BorderLayout
- d. GridLayout

☐ a

☒ b

☐ c

☐ d

Yes, the answer is correct.

Score: 1

Accepted Answers:

*b*

6)

**1 point**

**Consider the following piece of code in Java.**

```
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 ");  
        }  
        System.out.print("finished ");  
    }  
}
```

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

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

- ☐ a
- ☐ b
- ☐ c
- ☒ d
- ☐ e

Yes, the answer is correct.

Score: 1

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(8)+str.substring(9, 12));
    }
}
```

What is the output of the following program?

- a. j ava
- b. java
- c. javanptel
- d. january

- ☐ a
- ☒ b
- ☐ c
- ☐ d

Yes, the answer is correct.

Score: 1

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

Yes, the answer is correct.

Score: 1

Accepted Answers:

a

b

9)

1 point

Consider the following program:

```
public class Question
{
    public static void main(String[] args) {
        String str = "april java nptel.";
        System.out.println(str.length());
    }
}
```

What is the output of the following program?

- a. 16
- b. 15
- c. 19
- d. 17

- ☐ a
- ☐ b
- ☐ c
- ☒ d

Yes, the answer is correct.

Score: 1

Accepted Answers:

d

10)

1 point

Which of the following method is used to set a frame, say **f** with size 200 × 300 pixels?

```
JFrame f = new JFrame();
```

- a. f.setSize(300, 200);
- b. f.setSize(200, 300);
- c. f.paint(300, 200);
- d. f.setVisible(300, 200);

- ☐ a
- ☒ b
- ☐ c
- ☐ d



Yes, the answer is correct.

Score: 1

Accepted Answers:

*b*