Question 1

Correct

Mark 1.00 out of 1.00

⚑ Flag question

Given the below code :

`import static java.lang.Math.PI;` ✔

```
public class AreaCalculator {

    public double calculateArea(double radius)  {

        double area = PI * radius * radius;  //Instead of Math.PI

        return area;

    }

}
```

Drag and drop the correct statement to use the static variable PI.

| import java.lang.Math.PI; | import static java.lang.Math; |

Question 2

Correct

Mark 1.00 out of 1.00

⚑ Flag question

Assume class Calculator in package p1 and CalculatorService class in package p2 as shown below.

package p1;

public class Calculator {

    _____ static void calculate(){

      //some code here

    }

}

package p2;

import p1.Calculator;

public class CalculatorService {

  public void display(){

    Calculator.calculate();

  }

}

What can be the valid access specifier for the calculate method in Calculator class so that it can be accessed from CalculatorService class?

Select one:

○ Any access specifier except private

◉ public ✔

○ private

○ protected

○ default

Question 3

Correct

Mark 1.00 out of 1.00

⚑ Flag question

Given the class Book in packages p1 and class Main in package p2. In main to create an object of Book, which of the following are valid.

Select one:

○ Book bookObj=new Book();

○ p1.Book bookObj=new Book();

◉ p1.Book bookObj=new p1.Book(); ✔

Given the class Book and Library in two different packages :

1. package model;

2. public class Book {

3.   private static void countBook( ) { }

4. }

1. package util;

2. public class Library {

3.   public static void main(String[] args) {

4.   // insert code here

5. }

6. }

What is required at line 4 in class Library to use the countBook method of Book class?

Select one:
- ◯ countBook();
- ◯ util.Library.countBook();
- ◉ Library class cannot use the countBook method in Book class. ✔
- ◯ Book.countBook();
- ◯ model.Book.countBook();

Rearrange this code correctly.

✔ package test;

✔ import java.util.Scanner;

✔ public class Main

✔ {
//Some code here
}