

### Question 1

Correct

Mark 1.00 out of 1.00

Flag question

Which of the following data structures are indexed structures?

Select one:

- ☐ Tree
- ☐ Linked lists
- ☐ None of these options
- ☒ Linear arrays ✓

### Question 2

Correct

Mark 1.00 out of 1.00

Flag question

Predict the output of following Program:

```
class Test {
    protected int x, y;
}

public class MainClass {
    public static void main(String[] args) {
        Test t = new Test();
        System.out.println(t.x + " " + t.y);
    }
}
```

Select one:

- ☐ Throws runtime exception
- ☐ Compilation error
- ☐ None of these options
- ☒ 0 0 ✓

### Question 3

Correct

Mark 1.00 out of 1.00

Flag question

Rearrange the below algorithm for finding the Maximum of Three Numbers.

Input: Three numbers a, b, and c

Output: x, the largest Number

✓ procedure max(a, b, c)

✓ x := a

✓ if b>x then

✓ x := b

✓ if c>x then

✓ x := c

✓ return(x)

✓ end max

## Question 4

Correct

Mark 1.00 out of 1.00

Flag question

Predict the output:

```
public static void main(String[] args) {  
    int[] arr;  
    arr = new int[5];  
    arr[4]=40;  
    System.out.println(arr[2]);  
    System.out.println(" "+arr[4]);  
}
```

Select one:

- ☐ Compilation error
- ☒ 0 40 ✓
- ☐ junk 40
- ☐ 40 junk

## Question 5

Correct

Mark 1.00 out of 1.00

Flag question

Consider the following code.

```
int number[ ]=new int[10];
```

After execution of this statement which of the following are true:

- i. number[0] is undefined
- ii. number[10] is 0
- iii. number[4] is null
- iv. number.length is 10

Select one:

- ☒ iv only ✓
- ☐ i and ii only
- ☐ i and iv only
- ☐ ii and iii only