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Grade	7.00 out of 8.00 (88%)

Question **1**

Correct

Mark 2.00 out of 2.00

What will be the output of the following code?

```
public class OOPS_Lab2{

    public static void Function(int arr[], int d, int n)
    {
        int p = 1;
        while (p <= d) {
            int last = arr[0];
            for (int i = 0; i < n - 1; i++) {
                arr[i] = arr[i + 1];
            }
            arr[n - 1] = last;
            p++;
        }
        for (int i = 0; i < n; i++) {
            System.out.print(arr[i] + " ");
        }
    }

    public static void main(String[] args)
    {
        int arr[] = { 3,4,5,6,7,1,2 };
        int N = arr.length;
        int d = 2;
        Function(arr, d, N);
    }
}
```

- ☐ a. 1 2 3 4 7 6 5
- ☐ b. 3 4 5 6 7 2 1
- ☐ c. 7 6 5 4 3 2 1
- ☐ d. 1 2 3 4 5 6 7
- ☒ e. 5 6 7 1 2 3 4



The correct answer is:

5 6 7 1 2 3 4

Question 2

Correct

Mark 1.00 out of 1.00

What will be the output (in sequence) of the following code.

```
public class Quiz_2 {
    public void Method()
    {
        System.out.println("Method");
    }
    {
        System.out.println("Instance Block");
    }
    public void Quiz_2()
    {
        System.out.println("Constructor ");
    }
    static {
        System.out.println("Static Block");
    }
    public static void main(String[] args) {
        Quiz_2 quiz = new Quiz_2();
        quiz.Quiz_2();
        quiz.Method();
    }
}
```

- ☒ a. Static block, instance block, constructor, and method
- ☐ b. Method, constructor, instance block, and static block
- ☐ c. Static block, method, instance block, and constructor
- ☐ d. Instance block, method, static block, and constructor



The correct answer is:

Static block, instance block, constructor, and method

Question 3

Correct

Mark 2.00 out of 2.00

What will be the output of the following code?

```
public class Quiz {
    public static void main(String[] args)
    {
        Quiz obj = new Quiz(n);
    }
    static int a = 10;
    static int n;
    int b = 5;
    int c;
    public Quiz(int m)
    {
        System.out.println(a + ", " + b + ", " + c + ", " + n + ", " + m);
    }
    // Instance Block
    {
        b = 30;
        n = 20;
    }
    // Static Block
    static
    {
        a = 60;
    }
}
```

- ☐ a. 60, 5, 0, 20
- ☐ b. 10, 5, 0, 20, 0
- ☐ c. 10, 30, 20, 0
- ☒ d. 60, 30, 0, 20, 0



The correct answer is:

60, 30, 0, 20, 0

Question **4**

Correct

Mark 1.00 out of 1.00

Which of the following is/are false about constructors in Java?

- A) Constructor name should be the same as the class name.
- B) If you don't define a constructor for a class, a default parameter-less constructor is automatically created by the compiler.
- C) We will be getting a compile time error If we don't define a constructor for a class.
- D) The default constructor calls super() and initialises all the instance variables to default values like 0 or null.
- E) If we want the parent class constructor, it must be called in the last line of the derived class constructor.

- ☐ a. C, A
- ☐ b. C, D
- ☒ c. C, E
- ☐ d. C, B



The correct answer is:

C, E

Question 5

Correct

Mark 1.00 out of 1.00

What will be the output after the execution of the following code

```
public class OOPS_Lab {
    public void demo_Lab()
    {
        System.out.print("&");
    }
    {
        System.out.print("*");
    }
    public void OOPS_Lab1()
    {
        System.out.print("%");
    }
    static {
        System.out.print("#");
    }
    public static void main(String[] args) {
        OOPS_Lab c = new OOPS_Lab();
        c.OOPS_Lab1();
        c.demo_Lab();
    }
}
```

- ☒ a. # * % &
- ☐ b. & * % #
- ☐ c. % # & *
- ☐ d. # % & *



The correct answer is:

* % &

Question **6**

Not answered

Marked out of 1.00

Which of the following is/are false about arrays in Java?

- A) A Java array is always an object
- B) The length of the array can be changed after the creation of the array.
- C) Arrays in Java are always allocated on the heap segment.
- D) Arrays in Java can be allocated on the Stack segment or heap segment depending upon the declaration we have used.

- ☐ a. B, D
- ☐ b. B, C
- ☐ c. A, D
- ☐ d. A, B

The correct answer is:

B, D

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