Question 1

Correct

Mark 1.00 out of 1.00

Flag question

Determine the output:

```
public class Test
{
    public static void main(String[] args)
        {
        int[] x = {1, 2, 3, 4};
        int[] y = x;
        x = new int[2];
                for(int i = 0; i < x.length; i++)
            System.out.print(y[i] + " ");
    }
}
```

Select one:

- 1 2 3 4
- 0 0 0 0
- 0 0
- 1 2 ✔

Question 2

Correct

Mark 1.00 out of 1.00

Flag question

```
class Output
{
public static void main(String args[])
{
int a1[] = new int[10];
int a2[] = {1, 2, 3, 4, 5};
System.out.println(a1.length + " " + a2.length);
}
}
```

Select one:

- 0 5
- 5 10
- 10 5 ✔
- 0 10

Question 3

Correct

Mark 1.00 out of 1.00

Flag question

Determine the output:

```
public class A
{
public static void main(String argv[])
{
 int ary[]=new int[]{1,2,3};
System.out.println(ary[1]);
}
}
```

Select one:

- 1
- Compilation Error:incorrect syntax
- 2 ✔

Question 4

Correct

Mark 1.00 out of 1.00

Flag question

Determine the output

```
public class Trial
{
public static void main(String[] args)
        {
                int arr[4]={};
                System.out.print(arr[0]);
        }
}
```

Select one:

- Garbage error
- Compile time error ✔
- 0
- Runtime error

Question 5

Correct

Mark 1.00 out of 1.00

Flag question

Determine the output: (MCQ)

```
public class Test
{
    public static void main(String[] args)
        {
        int[] x = new int[3];
        System.out.println("x[0] is " + x[0]);
    }
}
```

Select one:

- The program has a compile error because the size of the array wasn't specified when declaring the array.
- The program has a runtime error because the array elements are not initialized.
- The program has a runtime error because the array element x[0] is not defined.
- The program runs fine and displays x[0] is 0. ✔

Question 6

Correct

Mark 1.00 out of 1.00

Flag question

Determine the output

```
class array_output
{
        public static void main(String args[])
        {
                char array_variable [] = new char[10];
                for (int i = 0; i < 10; ++i)
                {
                        array_variable[i] = 'i';
                        System.out.print(array_variable[i] + "");
                }
        }
}
```

Select one:

- i j k l m n o p q r
- i i i i i i i i i i ✔
- 0 1 2 3 4 5 6 7 8 9 10
- 1 2 3 4 5 6 7 8 9 10

Question 7

Correct

Mark 1.00 out of 1.00

Flag question

Determine the output:

```
class Evaluate
{
        public static void main(String args[])
        {
                int arr[] = new int[] {0 , 1, 2, 3, 4, 5, 6, 7, 8, 9};
                int n = 6;
                n = arr[arr[n] / 2];
                System.out.println(arr[n] / 2);
        }
}
```

Select one:

- 6
- 0
- 1 ✔
- 3

Question 8

Correct

Mark 1.00 out of 1.00

Flag question

What will be the content of array variable table after executing the following code?

```
public class Trial
{
        public static void main(String[] args)
        {
        int [][table[]=new int[5][5];
        for(int i = 0; i < 3; i++)
        {
                for(int j = 0; j < 3; j++)
                {
                        if(j == i)
                        {
                                table[i][j] = 1;
                                System.out.print(table[i][j]);
                        }
                else
                        {
                                table[i][j] = 0;
                                System.out.print(table[i][j]);
                        }

                }
        System.out.println("\n");
        }
    }
}
```

Select one:

- 1 0 0
  1 1 0
  1 1 1
- Compilation error
- 0 0 0
  0 0 0
  0 0 0
- 1 0 0
  0 1 0
  0 0 1 ✔

Question 9

Correct

Mark 1.00 out of 1.00

Flag question

Given a one dimensional array arr, what is the correct way of getting the number of elements in arr is

arr.length ✔

Question 10

Correct

Mark 1.00 out of 1.00

Flag question

Column size is mandatory to create an array in java. State true or false

Select one:

- True
- False ✔

Question 11

Correct

Mark 1.00 out of 1.00

Flag question

new ✔ is used to allocate memory to array variable in Java

malloc | calloc | alloc

Question 12

Correct

Mark 1.00 out of 1.00

Flag question

length() ✔ is used to find string length.

size() | len | length

Question 13

Correct

Mark 1.00 out of 1.00

Flag question

Fill in appropriately.

String st1 = new String("JAVA");

String st2 = new String("JAVA");

String st3="JAVA"

3 ✔ objects, 2 ✔ in heap memory and 1 ✔ in string pool

Question 14

Correct

Mark 1.00 out of 1.00

Flag question

What is special about string objects as compared to objects of other derived types?

Select one or more:

- You can concatenate two string objects using '+' ✔
- You can create string objects without or without using new operator ✔
- Java provides string constant pool to store the string objects ✔

Question 15

Correct

Mark 1.00 out of 1.00

Flag question

Given:

```
1. public class MyLogger {
2. private StringBuilder logger = new StringBuuilder();
3. public void log(String message, String user) {
4. logger.append(message);
5. logger.append(user);
6. }
7. }
```

The programmer must guarantee that a single MyLogger object works properly for a multi-threaded system.
How must this code be changed to be thread-safe?

Select one:

- Synchronize the log method
- Replace StringBuilder with just a String object and use the string concatenation (+=) within the log method.
- No change is necessary, the current MyLogger code is already thread-safe.
- Replace StringBuilder with StringBuffer ✔

Question 16

Correct

Mark 1.00 out of 1.00

Flag question

ello ✔ is the string contained in s after following lines of code?

```
StringBuffer s new StringBuffer("Hello");
s.deleteCharAt(0);
```

hell | Hel | llo

Question 17

Correct

Mark 1.00 out of 1.00

Flag question

String s1 = null; ✔ is the valid declaration of a String.

Question 18

Correct

Mark 1.00 out of 1.00

Flag question

Predict the output

```
class String_demo
  {
    public static void main(String args[])
    {
      char chars[] = {'a', 'b', 'c'};
      String s = new String(chars);
      System.out.println(s);
    }
  }
```

Select one:

- c
- a
- b
- abc ✔

Question 19

Correct

Mark 1.00 out of 1.00

Flag question

Predict the output

```
class String_demo
  {
     public static void main(String args[])
     {
        int ascii[] = { 65, 66, 67, 68};
        String s = new String(ascii, 1, 3);
        System.out.println(s);
     }
  }
```

Select one:

- CDA
- ABC
- BCD ✔
- ABCD

Question 20

Correct

Mark 1.00 out of 1.00

Flag question

+ operator can be used to concatenate two or more String objects in java. State true or false.

Select one:

- True ✔
- False

Question 21

Correct

Mark 1.00 out of 1.00

Flag question

What will s2 contain after following lines of code?

```
String s1 = “one”;
String s2 = s1.concat(“two”);
```

Select one:

- two
- twoone
- onetwo ✔
- one

Question 22

Correct

Mark 1.00 out of 1.00

Flag question

Select the correct choice so that the below statement returns true, if the input provided contains any alphabet other than xyz.

Pattern.matches(" [a-z&&[^xyz]] ✔ ", "d")

Question 23

Correct

Mark 1.00 out of 1.00

Flag question

Which of the following matches X occurs n or more times?

Select one:

- X{n,} ✔
- X{n}
- X{n,...}
- X{n,*}

Question 24

Correct

Mark 1.00 out of 1.00

Flag question

Assume that the ID of an employee should start with "CBE" or "BLR" or "HYD" followed by hyphen (-) followed by 4 digits.

Choose the apt regular expression that matches this text.

Select one:

- [CBE|HYD|BLR][-][0-9]{4}
- (CBE/HYD/BLR)[-][0-9]{4}
- (CBE|HYD|BLR)[-][0-9]{4} ✔
- [CBE/HYD/BLR][-][0-9]*
- [CBE|HYD|BLR][-][0-9]*