

# The Brigade School Unit Test 2(2020-21)

Total points **50/50** ?

Class 10  
Time: 30 min

Subject:Computer Applications

Max Marks: 50

Email address \*

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## Instructions

1. Select your name, school, class and section correctly
2. Attempt all the questions
3. Ensure that you have completed and revised your paper before submission.
4. You can attempt your paper only once.

School : \*

TBSG

Name : \*

Manan Y Mehta

Class : \*

10 A



✓ Question 1. Which element is arr[5] of the array arr? \*

2/2

- ☐ 8
- ☐ 9
- ☐ 10
- ☒ none



✓ Question 2. Which of the following is invalid? \*

2/2

- ☐ a) `int a="hello".length( );`
- ☐ b) `int a=s.length( );`
- ☐ c) both a&b
- ☒ d) `int a="hello".length;`



✓ Question 3. Which one of the following is a valid statement? \*

2/2

- ☐ `int [] a = new int()`
- ☒ `int [] a = new int[5]`
- ☐ `int [] a = new int(5)`
- ☐ `int [] a = new int[ ]`



Determine output:

```
int a[ ] = { 1,2,3};  
for(int i = 0; i < a.length; i++)  
System.out.print(a[i] + " ");
```

☒ 1 2 3



☐ 3 2 1

☐ 1 3 2

☐ 2 1 3

☐ char ch=sc.next().charAt(0);

☒ char ch=sc.nextChar();



☐ String s=sc.next();

☐ String s=sc.nextLine();

✓ Question 6. Adjacent pairs of objects in the array are compared and swapped if they are not in the correct order in \* 2/2

☐ binary search

☐ linear search

☒ bubble sort ✓

☐ selection sort

✓ Question 7. Which of the following statements is correct? \* 2/2

☐ `int [] myList = {}`

☐ `int [] myList = (5, 8, 2)`

☐ `int myList [] = {4,9,7,0}`

☒ `int myList [] = {4, 3, 7}` ✓

✓ Question 8. The output datatype of `concat()` and `compareTo()` is the same. \* 2/2

☐ true

☒ false ✓



✓ Question 9. In Java the array index starts with \_\_\_\_.\*

2/2

- ☐ -1
- ☒ 0
- ☐ 1
- ☐ length



✓ Question 10. Write the output \*

2/2

```
String s1="cook";  
int a=s1.lastIndexOf('o');  
System.out.println(a);
```

- ☐ 1
- ☒ 2
- ☐ 3
- ☐ 4



✓ Question 11. An Array in Java is a collection of elements of \_\_\_\_ data type. 2/2  
\*

- ☐ a) multiple
- ☒ b) similar
- ☐ both a & b
- ☐ none



✓ Question 12. Converting a primitive value into an object of the corresponding wrapper class is called \*

2/2

☐ parsing

☒ autoboxing



☐ unboxing

☐ object

✓ Question 13. What is the output? \*

2/2

```
char a='a';  
int b='c'+1;  
a =(char)b;  
System.out.println(a);
```

☐ A

☐ a

☐ D

☒ d



What will be the output?

```
String str1 = "abcde";  
System.out.println(str1.substring(1, 3));
```

☐ abc

☒ bc



☐ bcd

☐ none

What is the output of the following println statement?

```
String str1 = "Hellow";  
System.out.println(str1.indexOf('t'));
```

☐ error

☐ 1

☒ -1



☐ 0

✓ Question 16. String class belongs to the package \*

2/2

- ☐ java.util
- ☐ [java.io](#)
- ☒ java.lang
- ☐ java.string



✓ Question 17. What will be the output of \*

2/2

```
String s = "Java String Quiz";  
System.out.println(s.charAt(s.toUpperCase().length()));
```

- ☒ error
- ☐ z
- ☐ Z
- ☐ i





✓ Question 18. Write the output \*

2/2

```
char a[] = {'a', '5', 'A', ' '};  
System.out.print(Character.isDigit(a[0]) + " ");  
System.out.print(Character.isWhitespace(a[3]) + " ");  
System.out.print(Character.isUpperCase(a[2]));
```

☐ true true true

☐ false true false

☐ false false true

☒ false true true



✓ Question 19. What is the output? \*

2/2

```
int array_variable [] = new int[10];  
for (int i = 0; i < 10; ++i)  
{  
    array_variable[i] = i;  
    System.out.print(array_variable[i] + " ");  
    i++;  
}
```

☐ 0 1 2 3 4 5 6 7 8 9

☐ 1 3 5 7 9

☒ 0 2 4 6 8



☐ 1 2 3 4 5 6 7 8 9 10



✓ Question 20. What is the output? \*

2/2

```
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);
```

☒ 1



☐ 3

☐ 0

☐ 6

✓ Question 21. Which of the following methods does not belong to Wrapper class? \*

2/2

☐ isLetter()

☐ Integer.parseInt()

☒ charAt()



☐ isUpperCase()

✓ Question 22. Which of these is not a String function? \*

2/2

☐ toLowerCase()

☐ indexOf()

☒ isDigit()



☐ substring()



✓ Question 23. Which of these methods does not give a boolean output? \* 2/2

- ☐ isLetterOrDigit()
- ☐ isUpperCase()
- ☒ toUpperCase() ✓
- ☐ isLowerCase()

✓ Question 24. Identify the incorrect statement. \* 2/2

- ☐ Array is a collection of similar type of elements
- ☐ String is an array of characters
- ☐ the first element of the array is stored at the 0th index
- ☒ we can change the size of the array once it is created ✓

✓ Question 25. Write the output \* 2/2

```
String a="cat";  
String b="mat";  
System.out.println(a.compareTo(b));
```

- ☒ -10 ✓
- ☐ 10
- ☐ -11
- ☐ 11



