

Q. No	Question	(Marks)
<b>UNIT – III</b>		
1.	What is the difference between equals() and == operator?	1
2.	What is the output of the below code? <pre> public class Test { public static void main(String[] args) { int a[]={1,2,3,4}; int b[]={1,2,3,4}; if(a==b)     System.out.println("Sample"); else     System.out.println("Not Sample"); } } </pre>	1
3.	Consider the below code: <pre>String s=new String();</pre> Say True or False? Will this statement create an instance of string with default Character in it?	1
4.	Which is the companion class to string, whose objects contain strings that can be modified after they are created?	1
5.	What does toString method do?	1
6.	What is Inheritance?	1
7.	What is "is-a" relationship mean?	1
8.	What is polymorphism?	2
9.	What is the output and why? <pre> public class Example { public static void main(String[] args) {     int a[5];     System.out.println(a.length); } } </pre>	2
10.	Name two built-in methods in Arrays Class.	2
11.	What is jagged array? Give an example.	2
12.	What is utility class? And name one utility class.	2
13.	What is the difference between StringBuffer and StringBuilder?	2
14.	Predict output of the below program: <pre> Class ExampleArr{ public class void main(String[] args){ int a[][]={{11,22},{33,44}}; int i;int j; </pre>	2

	<pre> for(i=0;i&lt;a.length;++i){     for(j=0;j&lt;a[i].length;++j){         System.out.print(a[i][j]);     }     System.out.println(); } </pre>	
15.	<p>Say true or false:</p> <p>In Java, array is a reference type.</p> <p>In Java, arrays cannot be assigned.</p> <p>Array elements are always on the heap.</p>	3
16.	Write a program to swap two strings without using third variable.	3
17.	Write a program to capitalize each character in a word in a given string?	3
18.	Write a method to Check whether the elements of an array are in ascending order.	4
19.	List two differences between Method Overloading and Overriding.	4
20.	<p>State the errors in the following program.</p> <pre> class Test{     private final int a = 10;{         a = 20;     }     public test(int x){         System.out.println("ok");     }     public int sqr(){         System.out.println(a * a);     }     public int foo(double x, double y){         return x + y;     }     public void bar(){         System.out.println(a.this);     } } </pre>	6