

JAVA TEST (Ch. 1 -2)

1.	Long Question (Write any Three)	[15]
1)	Explain Feature and Disadvantage of JAVA?	
2)	Explain Basic OOP Concept of JAVA?	
3)	Explain in Brief about JVM and Bytecode?	
4)	Explain about Type Casting	

2.	Java Program (Write Any One)	[5]
1)	Write a Program to find Middle Number from Given 3 Number	
2)	Write a Program to find All Prime Numbers between 1 to 130	
3)	Write a Program to Reverse Given Number: 427 as 724	

1.	MCQ Questions	[10]				
1)	Which of the following is a legal identifier in java ? <table><tr><td>A. 2variable</td><td>B. #myvar</td></tr><tr><td>C. +@\$var</td><td>D. \$_myvar</td></tr></table>		A. 2variable	B. #myvar	C. +@\$var	D. \$_myvar
A. 2variable	B. #myvar					
C. +@\$var	D. \$_myvar					
2)	Which of these is NOT a valid keyword or reserved word in Java ? <table><tr><td>A. default</td><td>B. null</td></tr><tr><td>C. String</td><td>D. volatile</td></tr></table>		A. default	B. null	C. String	D. volatile
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C. String	D. volatile					
3)	What is the numerical range of a char? <table><tr><td>A. -128 to 127</td><td>B. i-(215) to (215) - 1</td></tr><tr><td>C. 0 to 32767</td><td>D. 0 to 65535</td></tr></table>		A. -128 to 127	B. i-(215) to (215) - 1	C. 0 to 32767	D. 0 to 65535
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4)	What will be the output of the program? <pre>class Equals { public static void main(String [] args) { int x = 100; double y = 100.1; boolean b = (x = y); /* Line 7 */ System.out.println(b); } }</pre>					

	<table><tr><td>A.</td><td>true</td><td>B.</td><td>false</td></tr><tr><td>C.</td><td>Compilation fails</td><td>D.</td><td>An exception is thrown at runtime</td></tr></table>	A.	true	B.	false	C.	Compilation fails	D.	An exception is thrown at runtime
A.	true	B.	false						
C.	Compilation fails	D.	An exception is thrown at runtime						
5)	<div>What will be the output of the program?</div> <div><pre>class Test { public static void main(String [] args) { int x=20; String sup = (x < 15) ? "small" : (x < 22)? "tiny" : "huge"; System.out.println(sup); } }</pre></div> <table><tr><td>A.</td><td>small</td><td>B.</td><td>tiny</td></tr><tr><td>C.</td><td>huge</td><td>D.</td><td>Compilation fails</td></tr></table>	A.	small	B.	tiny	C.	huge	D.	Compilation fails
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C.	huge	D.	Compilation fails						
6)	<div>What will be the output upon the execution of the following code ?</div> <div><pre>public class Test { public static void main(String[] args) { int j = 5; for (int i = 0; i< j; i++) { if (i <= j--) System.out.print((i*j) + " "); } } }</pre></div> <table><tr><td>A. 0 3 2</td><td>B. 1 2 3</td></tr><tr><td>C. 0 3 4</td><td>D. 1 4 2</td></tr></table>	A. 0 3 2	B. 1 2 3	C. 0 3 4	D. 1 4 2				
A. 0 3 2	B. 1 2 3								
C. 0 3 4	D. 1 4 2								
7)	<div>What will be the output of the program?</div> <div><pre>class Bitwise { public static void main(String [] args) { int x = 11 & 9; int y = x ^ 3; System.out.println(y 12); } }</pre></div> <table><tr><td>A. 0</td><td>B. 7</td></tr><tr><td>C. 8</td><td>D. 14</td></tr></table>	A. 0	B. 7	C. 8	D. 14				
A. 0	B. 7								
C. 8	D. 14								

8)

```
public void test(int x)
{
    int odd = 1;
    if(odd) /* Line 4 */
    {
        System.out.println("odd");
    }
    else
    {
        System.out.println("even");
    }
}
```

A. Compilation fails.

B. "odd" will always be output.

C. "even" will always be output.

D. "odd" will be output for odd values of x, and "even" for even values.

9)

What will be the output of the following code ?

```
public class Test {
    public static void main(String[] args)
    {
        double d = 100.04;
        float f = d;
        System.out.println("Float value "+f);
    }
}
```

A. 100.04

B. 100.0

C. Compilation Error (lossy conversion from double to float)

D. 100

10)

Give the Output for the following program?

```
class Char {
    public static void main(String args[]) {
        char ch1, ch2;
        ch1 = 88; // code for X
        ch2 = 'Y';
        System.out.print("ch1 and ch2: ");
        System.out.println(ch1 + " " + ch2);
    }
}
```

A. ch1 and ch2: X Y

B. ch1 and ch2: x y

C. ch1 and ch2: 1 3

D. None of the above