

Subject : - Computer Application

Class – X

M.M. 20

Multiple Choice Questions:

11+5-5+11+3

1) Evaluate the following Java expression, if x=3, y=5, and z=10: ++z + y - y + z + x++

- (a) 24 (b) 23 (c) 20 ~~(d) 25~~

2) What will be the output of the following program?

```
int count = 1;
while (count <= 15) {
    System.out.println(count % 2 == 1 ? "***" : "+++++");
    ++count;
} // end while
```

7 times *** 8times+++++

- (a) 15 times *** (b) 15 times +++++ (c) 8 times ***, 7 times +++++ (d) both will print only once

3) Which of the following for loop declaration is not valid?

- ~~(a) for (int i = 99; i >= 0; i / 9)~~ (b) for (int i = 7; i <= 77; i += 7)
(c) for (int i = 20; i >= 2; - i) (d) for (int i = 2; i <= 20; i = 2* i)

4) Consider the two methods (within the same class)

```
public static int foo(int a, String s)
{
    s = "Yellow";
    a=a+2;
    return a;
}
public static void bar()
{
    int a=3;
    String s = "Blue";
    a = foo(a,s);
    System.out.println("a="+a+" s="+s);
}
public static void main(String args[])
{
    bar();}
```

What is printed on execution of these methods?

- (a) a = 3 s = Blue ~~(b) a = 5 s = Yellow~~ (c) a = 3 s = Yellow (d) a = 5 s = Blue

5) An overloaded method consists of,

- (a) The same method name with different types of parameters
(b) The same method name with different number of parameters
(c) The same method name and same number and type of parameters with different return type
~~(d) Both (a) and (b) above~~

6) consider the following program:

```
int result=0, x = 1 ;
while (x <= 10) {
    if (x%2 == 0) result + = x ;
    ++ x ;
}
System.out.println(result) ;
}
}
```

Which of the following will be the output of the above program?

- (a) 55 ~~(b) 30~~ (c) 25 (d) 35

7) Consider the following class:

```

class Test {
public static void swap(int i, int j) {
int temp=i;
i = j;
j = temp;
}

public static void main(String[] args) {
int i=10,j=20;
swap(i, j);
System.out.println("i = " + i + ", j = " + j);
}}

```

(a) i=10,j=20 (b) ~~i=20,j=10~~ (c) i=10,j=10 (d) i=20,j=20

8) The wrapping up of data and functions into a single unit is called

(a) ~~Encapsulation~~ (b) Abstraction (c) Data Hiding (d) Polymorphism

9) What is byte code in Java?

(a) ~~Code generated by a Java compiler~~ (b) Code generated by a Java Virtual Machine
(c) Name of Java source code file (d) Block of code written inside a class

10) In java can only test for equality, where as Can evaluate any type of Boolean expression.

(a) If, break (b) if,switch (c) ~~switch, if~~ (d) continue, if

11) What will be the value of y after execution of switch statement:

```

int x=3,y=4;
switch(x+3)
{
Case 6: y=0;
Case 7: y=1;
Default : y+=1;
}

```

(a) 1 (b) ~~2~~ (c) 3 (d) 4

12) Which of the following loops will execute the body of loop even when condition controlling the loop is initially false?

(a) ~~do-while~~ (b) while (c) for (d) none of the mentioned

13) Which of these jump statements can skip processing the remainder of the code in its body for a particular iteration?

(a) break (b) return (c) System.exit(0) (d) ~~continue~~

14) What will be the output of following program :

```

int x = 2; int y = 0;
for ( ; y < 10; ++y)
{
if (y % x == 0)
continue;
else if (y == 8)
break;
else
System.out.print(y + " ");
}

```

a) 1 3 5 7 b) 2 4 6 8 (c) ~~1 3 5 7 9~~ d) 1 2 3 4 5 6 7 8 9

15) What is true about a break?

(a) Break stops the execution of entire program
(b) Break halts the execution and forces the control out of the loop
(c) ~~Break forces the control out of the loop and starts the execution of next iteration~~
(d) Break halts the execution of the loop for certain time frame

16) What is true about do statement?

(a) ~~do statement executes the code of a loop at least once~~
(b) do statement does not get execute if condition is not matched in the first iteration
(c) do statement checks the condition at the beginning of the loop
(d) do statement executes the code more than once always

17) Which of these have highest precedence?

- a) () ~~b) ++~~ c) * d) >>

18) What is the return type of a method that does not return any value?

- a) int b) float ~~c) void~~ d) double

19) If an expression contains double, int, float, long, then the whole expression will be promoted into which of these data types?

- a) long b) int ~~c) double~~ d) float

20) The full form of JVM is

- (a) Java Visible Machine
~~(b) Java Virtual Machine~~
(c) Java Viable Machine
(d) None of These