

Java Programming Foundation Exam

Name	Class	Total Marks

Answer(s) all followings questions.

Ques 1) Choose integer

(A) 3.14 (B) -6 (C) -1.99 (D) 'int'

Ques 2) Choose double

(A) 78239 (B) False (C) -3.14 (D) -7

Ques 3) How many arithmetic operators are there in Java?

(A) 3 (B) 4 (C) 5 (D) 6

Ques 4) What is the answer of $8/4-2$ according to Java internal rule of precedence?

Answer-----

Ques 5) What is the answer of $16\%6$ according to Java internal rule of precedence?

Answer-----

Ques 6) What is the value of x after the code is executed?

```
Int x=10,  
Double y=0.5;
```

```
x++;
```

```
x=x+x;
```

```
y=x+y;
```

```
x--;
```

Answer-----

Ques 7) What is the value of n after the code is executed?

```
Int n=0;
```

```
for(int i=1;i<5;i++){
```

```
  n++
```

```
}
```

Answer-----

Ques 8) What is the result of `System.out.println("x"+"9"+"3"+"y");`?

Answer-----

Ques 9) What must the termination statement for the following loop to go through j from 5 to 17(included)?

```
for(int j=5;-----;j++)  
Answer-----
```

Ques 10)if x is 8,what is the value of y after the code is excited?

```
Int y=1;  
while(y<=x){  
y=y*2;  
}
```

Answer-----

Ques 11)What is the output of the following nested for loop?

```
for(int i=1;i<=5;i++){  
  for(int j=1;j<=i;j++){  
System.out.print(i);  
  }  
System.out.println();  
}
```

Ques 12)What is the output of the following code after do-while loop?

```
Int a=3,b=12;  
do{  
}while(a<11);  
System.out.print(b);
```

Answer-----

Ques 13)What is the output of the following nested for loop?

```
for(int i=1;i<=9;i++){  
  for(int k=1;k<=i;k++){  
    System.out.print("*");  
  }  
  for(int j=1;j<=(9-i);j++){  
    System.out.print(j);  
  }  
  System.out.println();  
} //end of outer loop
```

Ques 14)What is the output of the following code?

```
int value=5;  
value=6;  
if(value<=6 && value>5){  
  System.out.println("A");  
}  
if(value<6 || value>5){  
  System.out.println("B");  
}
```

Ques 15)What is the value of m after the following code is executed ?

```
int a=2,b=2,c=4;  
if(a>b){  
  if(a>c)  
    m=1;  
  else m=2;  
}else {  
  if(m!=0)  
    m=3;  
  else m=4;  
}
```

(A)1 (B)2 (C)3

Ques 16) Given a one dimensional array arr, what is the correct way of getting the number of elements in arr. Select the one correct answer.

- (A) arr.length
- (B) arr.length - 1
- (C) arr.size
- (D) arr.length()

Ques 17)

What happens when the following program is compiled and run. Select the one correct answer.

```
public class example
{
    int i = 0;
    public static void main(String args[])
    {
        int i = 1;
        change_i(i);
        System.out.println(i);
    }
    public static void change_i(int i)
    {
        i = 2;
        i *= 2;
    }
}
```

- A) The program prints 0.
- (B) The program prints 2.
- (C) The program prints 1.
- (D) The program prints 4.

Ques 18) Which declaration of the main method below would allow a class to be started as a standalone program.

- A) public static int main(char args[])
- (B) public static void main(String args[])

- (C) public static void MAIN(String args[])
- (D) public static void main(String args)

Ques 19) What gets printed when the following program is compiled and run? Select the one correct answer.

```
class test {  
    public static void main(String args[]) {  
        int i;  
        do {  
            i++;  
        }  
        while(i < 0);  
        System.out.println(i);  
    }  
}
```

- (A) The program does not compile as i is not initialized.
- (B) The program compiles but does not run.
- (C) The program compiles and runs but does not print anything.
- (D) The program prints 0.

Ques 20) Which of the following are legal declaration and definition of a method. Select all correct answers.

- a. void method() {};
- b. void method(void) {};
- c. method() {};
- d. method(void) {};
- e. void method {};

- (A) a,b
- (B) a
- (C) a,b,c
- (D) b,d,e

Ques 21) What gets printed when the following program is compiled and run? Select the one correct answer.

```

class xyz {
    static int i;
    public static void main(String args[]) {
        while (i < 0) {
            i--;
        }
        System.out.println(i);
    }
}

```

- (A) The program does not compile as i is not initialized.
- (B) The program compiles but does not run.
- (C) The program compiles and runs but does not print anything.
- (D) The program prints 0.

Ques 22) What gets printed when the following program is compiled and run? Select the one correct answer.

```

class xyz {
    public static void main(String args[]) {
        int i,j,k;

        for (i = 0; i < 3; i++) {

            for(j=1; j < 4; j++) {

                for(k=2; k<5; k++) {

                    if((i == j) && (j==k))

                        System.out.println(i);

                }

            }

        }
    }
}

```

```
}
```

```
}
```

(A) 0

(B) 1

(C) 2

(D) 3

Ques 23) What gets printed when the following program is compiled and run? Select the one correct answer.

```
class test
{
    static boolean check;
    public static void main(String args[])
    {
        int i;
        if(check == true)
            i=1;
        else
            i=2;
        if(i=2) i=i+2;
        else i = i + 4;
        System.out.println(i);
    }
}
```

(A) 3

(B) 4

(C) 5

(D) The program does not compile because of the statement `if(i=2)`

Ques 24) What is the result of compiling and running the following class. Select the one correct answer.

```

class Test
{
    public void methodA(int i)
    {
        System.out.println(i);
    }
    public int methodA(int i)
    {
        System.out.println(i+1);
        return i+1;
    }
    public static void main(String args[])
    {
        Test X = new Test();
        X.methodA(5);
    }
}

```

Select the one correct answer.

- (A) The program compiles and runs printing 5.
- (B) The program compiles and runs printing 6.
- (C) The program gives runtime exception because it does not find the method Test.methodA(int)
- (D) The program give compilation error because methodA is defined twice in class Test.

Ques 25) What would be the results of compiling and running the following class.
Select the one correct answer.

```

class test
{
    public static void main()
    {
        System.out.println("test");
    }
}

```

- (A) The program compiles and runs but does not generate any output.
- (B) The program compiles and runs generating an output of "test"

- (C) The program compiles but does not run.
(D) The program does not compile as there is no main method defined

Ques 26: What all gets printed when the following gets compiled and run. Select the two correct answers.

```
public class example {  
    public static void main(String args[]) {  
        int x = 0;  
        if(x > 0) x = 1;  
        switch(x) {  
            case 1: System.out.println(1);  
            case 0: System.out.println(0);  
            case 2: System.out.println(2);  
                break;  
            case 3: System.out.println(3);  
            default: System.out.println(4);  
            break;  
        }  
    }  
}
```

- A. 0
B. 1
C. 2
D. 3
E. 4

- (A) 1, 0, 2
(B) 3, 4
(C) 0, 2
(D) 1

Ques 27)What is the output of the following code after executed?

```
Int kilogram=,gram;  
Int limit=5;  
for(kilogram=1;kilogram<=limit;kologram++){  
    gram=kilogram*1000;  
    System.out.println(kilogram+"kg="+gram+"g");}
```

Ques 28)What is the answer of $7-2*4+8/2$ according to Java internal rule of precedence?

Answer-----

Ques 29)what is the output of the following nested code after executed it?

```
int size=7;
for(int row=1;row<=size;row++){
for(int space=1;space<=size-row;space++){
System.out.print(" ");
}
for(int col=1;col<=row;col++){
System.out.print(row+" ");
}
System.out.println();
}
```

Ques 30)One of the feature of Object-based programming language is inheritance?
(A)True (B)False (C)not concern with OOP (D)non of those