

### 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;
```

```
}
```

```
System.out.print("Y="+y);
```

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;kilogram++){  
    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

