



Number of questions: Six (06) Structured Questions
Mark allocation: 30
Write the correct answer in the space provided

Write a Java class called *Calculator* that has a method *add()*, which accepts two (02) float values and return the addition of two (02) values as a float value. (05 mark)

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2. Describe the use of the following increment operators in a Java program. (05 mark)

X++

++X

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3. Rewrite the following Java code snippet using if-else statements.

```
int status = -1;
switch (status) {
    case 1: System.out.println("1");
    break;
    case 2: System.out.println("2");
    break;
    default: System.out.println("Invalid number");
}
```

(05 mark)

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a. Briefly mention the importance of constructors in Java.

(02 mark)

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b. List three (03) characteristics of constructors.

(03 mark)

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ii.
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iii.
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5. List five (05) usages of *this* keyword in Java.

(05 mark)

a.
b.
c.
d.
e.

6. Rewrite the following Java function by handling the exception using an appropriate technique.

```
public static void main(String a[]){  
    int a = 10;  
    int b = 0;  
    System.out.println("a/b is:" + a/b);  
}
```

(05 mark)

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