Worksheet

2

Name: ....

Roll No: .... Class: .... Section: ....

Date: ....

ITERATIVE CONSTRUCTS IN JAVA

Chapter-8

1.   State whether the following statement is true or false.

(a) If the testing condition is checked before executing the body of the loop, then
it is called exit controlled loop.   ....

(b) A loop that has no code in its body is called an empty loop.   ....

(c) All types of loops use continue statements.   ....

(d) The for loop is said to be an exit controlled loop.   ....

(e) A loop that never ends is called a finite loop.   ....

2.   Fill in the blanks.

(a) One pass of a loop is known as an ....

(b) Coding always allows flexibility of choosing the type of ....

(c) There are .... different parts in a loop.

(d) The break statement is used to .... from a loop.

(e) The .... and .... loops are entry-controlled loops.

(f) In the step loop, the loop control variable .... or .... by more than one.

(g) To find the sum of any ten numbers, the loop will run...................... times.

(h) ....loop executes at least once if the condition is false.

3.   Short answer type questions.

(a) What is the output of the following code

```java
int a=3,b=1;
if(a>b)
  {
    a=a+1;
    b=b*2;
  }
  System.out.print(a+":"+b);
```

(b) Write the output of the following code -

```java
int x=2,y=50;
do{
  ++x;
  y-+x++;
return y;
```

(c) Write different types of loops in java.

(d) How many mes will the following loop be executed?

```java
for(i=1;i<=10;i=i+2);
```

Grade: ⭐ ⭐ ⭐ ⭐ ⭐

Teacher's Signature: ....

Class -10