

Worksheet

1

Name:

Roll No: Class: Section:

Date:

NESTED LOOP

Chapter-9

1. Tick (✓) the correct option.

(a) What is the output of the following code:

```
for(int i=3;i<=4;i++){
    for(int j=2;j<1;j++){
        System.out.print(" ");
    }
    System.out.println("WIN");
```

(i) WINWIN

☐

(ii) WIN

☐

(iii) WIN WIN

☐

(iv) None

☐

(b) A loop inside another loop is called

(i) Nested loop

☐

(ii) Merged loop

☐

(iii) Combined loop

☐

(iv) None of these

☐

(c) What will happen if the test condition given in the outer loop evaluates to false?

(i) Inner loop will execute

☐

(ii) Outer loop will execute

☐

(iii) Neither outer nor inner loop will execute

☐

(iv) None of these

☐

(d) How many times does the loop execute

```
for(int i=0;i<3;i++){
    for(int j=0;j<2;j++){
        int n=(int)(Math.random()*10);
        System.out.println(n);
    }
}
```

(i) 2 times

☐

(ii) 4 times

☐

(iii) 5 times

☐

(iv) 6 times

☐

2. Define the following.

(a) Nested do-while loop

(b) Break statement in nested loop

(c) Continue statement

(d) Nested loop