

Worksheet

1

Name:

Roll No: Class: Section:

Date:

NESTED LOOP

Chapter-10

1. Tick (✓) the correct option.

(a) A set of instructions are executed repeatedly

(i) iteration ☐

(ii) updated ☐

(iii) break statement ☐

(iv) continue statement ☐

(b) Parts of loop are

(i) initialization ☐

(ii) test condition ☐

(iii) update expression ☐

(iv) all of the above ☐

(c) Which statement shows "increases the value by 1"

(i) a++ ☐

(ii) a+=1 ☐

(iii) both (i) and (ii) ☐

(iv) None of these ☐

(d) Name the loop that execute at least once

(i) break ☐

(ii) continue ☐

(iii) while loop ☐

(iv) do-while loop ☐

(e) Statement "while(m.equals("True")) means

(i) String m="True" ☐

(ii) String m=="True" ☐

(iii) boolean m="True" ☐

(iv) Boolean m=="True" ☐

2. Convert the following segment .

(a) into an equivalent do loop:

```
int x, c;
for (x=10; c=20; c>10; c=c-2)
x++;
```

(b) into an equivalent for loop:

```
int k= 20;
int i=0, sum=0;
while (i<k)
{
sum+=i;
i++;
}
```

(c) Rewrite the following code fragment without break and continue:

```
while (ch! ="*");
{
if(ch== '?')
break;
if(ch!='\n')
continue;
line++;
}
```