

```
}  
else if  
printf("odd");
```

23/11/25

* 20 marks on loop concepts.

1) which of the following is an entry controlled loop?

1) while loop.

2) which loop is guaranteed to execute at least once?

1) do-while loop.

3) How many times will the following loop run?

1) 5. for (i=0; i<5; i++).

4) what is the output of,

```
for i in range(3):  
    printf(i)
```

1) 0 1 2.

5) which statement is used to skip the current iteration?

1) continue.

8) which statement is used to terminate a loop?

A) break

9) A loop inside another loop is known as?

A) nested loop.

10) which loop best suited when the number of iterations is known in advance?

A) for.

11) what is the output?

i = 1

while(i <= 3)

printf(i)

i++

A) 1 2 3

12) which of the following returns an infinite loop?

A) while(i > 0)

13) what is the loop control variable?

A) A variable that changes value during loop execution.

14) what will be the output?

for i in range(1, 6, 2):

printf(i)

A) 1 3 5

15) which loop is preferred when checking a condition at the start?

A) while

14) which is true about the for loop?

A) All are options

15) what does break do to a nested loop?

A) exits only the inner loop.

16) which of the following creates an infinite loop in Python?

A) while true;

17) what is the output?

for i in range(3);

for j in range(2);

print("Hi")

A) Hi printed 6 times

18) what happens if the loop condition is always false at the start?

A) loop does not run.

19) which keyword immediately moves control to the next iteration?

A) continue.

20) which of the following is not a type of loop?

A) switch.

== x == y ==