) 20 mcq's of loops

) Which loop is guaranteed to execute at least once ?

A) For

B) while

C) do .. while

D) none.

2) What is the output of :

```c
for (int i=1; i<=3; i++)
    printf(" %d", i);
```

A) 123

B) 012

C) 111

D) 321

3) How many times will this loop run?

```c
for (int i=0; i<5; i++)
```

A) 4

B) 5

C) 0

D) infinite

4) Which loop is entry - controlled?

A) do-while

B) while

C) both for and while

D) no loop

5) What is the output?

```c
int i=3;
while (i>0)
printf ("%d", i--);
```

A) 321

B) 012

C) 123

D) infinite.

6) Which statement exits a loop immediately?

A) exit

B) stop

C) break

D) continue.

7) Which statement skips only the current iteration?

A) skip

B) break

C) continue

D) exist

8) What is the output?

```c
for (int i = 1 ; i <= 5 ; i += 2)
  printf ("%d", i);
```

A) 1 2 3 4 5

B) 135

C) 2 4

D) infinite.

9) Which loop is best when number of iterations is know

A) While

B) do - while

C) for

D) switch.

10) What is wrong with this?

```c
for (;;)
```

A) Invalid

B) infinite loop

C) syntax error

D) none.

11) output of :

```c
int i = 1;
do {
```

```c
    printf ("%d", P);
} while (P<1);
```

A) prints nothing

B) 1

c) Infinite loop

D) 0

12) the condition in a for loop is:

A) optional

B) compulsory

c) must be boolean

D) none

13) What is printed?

```c
int P;
for (P=5; P>0; P--);
printf ("%d", P);
```

A) 5

B) 1

c) 0

D) -1

14) loop thant never ends is called:

A) broken loop

B) continous loop

c) Infinite loop

D) circular loop

15) What is the output?

```c
int i=0;
while (i<3)
{
printf ("A");
i++;
}
```

A) A

B) AA

C) AAA

D) infinite

16) which loop is faster?

A) for

B) while

C) do...while

D) all same.

17) Which loop uses a counter variable usually?

A) switch

B) for

C) if

D) goto

18) what type of loop is:

```c
while (1)
```

A) counting loop

B) conditional loop

C) Infinite loop

D) Iterative loop

19) Output ?

```c
for (int P=1 ; P<=3 ; P++)
{
for (int j=1 ; j<=2 ; j++)
 printf ("*");
 printf ("#");
}
```

A) *******

B) *#*#*#

C) **#**#**#

D) none

20) which is valid ?

A) for (P=0 ; P<5)

B) for (P<5 ; P++)

C) for (P=0 ; P++)

D) for (P=;;)