

MCQ

1. Integer i
Set i=3
Do
Print i+3
I=i-1
While(I not equals 0)
End while
a. 6 6 6
b. 6 5 6
c. 5 5 5
d. 6 5 4
2. Integer a
String str1
Set str1="goose"
A=length(str1)
Print(A)
a. 0
b. 4
c. 5
d. 3
3. Integer a,b,c
Set a=8,b=51,c=2
 $C=(a^c)^a$
 $b=b \bmod 4$
print a+b+c
a. 13
b. 17
c. 26
d. 16
4. Integer I,j,k
Set k=8
For(i from 1 to 1)
 For(j from the value of i to 1)
 Print k+1
 End for
End for
a. 2
b. 9
c. 7
d. 8

5. Integer a,b

Set a=15, b=7

a = a mod (a-3)

b = b mod(b -3)

a = a mod 1

b = b mod 1

print a+b

a. 15

b. 7

c. 2

d. 0

6. Integer i, j, k, n

Set j=1,k=1

For(each i from 1 to 5)

Print k

j=j+1

k=k+j

End for

a. 1 3 6 10 15

b. 1 2 3 4 5

c. 2 4 6 8 10

d. 1 1 2 3 5

7. Integer value, n

Set value = 1, n = 45

while(value less than equal to n)

value = value << 1

end loop

Print value

a. 16

b. 32

c. 64

d. 36

8. Integer x, y

Set x = 15, y = 12

y = x - 1

do{

Print x

x = y + (x - 2)

}

while(x < 40)

end do while

a. 14 26

b. 15 27 39

c. 27 39

d. 15

e.

9. Read number

k = 2

i = 2

while i <= number:

k = k* i

i = i+1

end while

print k

a. 1440

b. 1340

c. 1700

d. 1560

10. Count the number of " * " printed by the given pseudo code when the input is 25.

Write "Please enter a number"

Read input

a. 51.0

Repeat while input > 0

b. 57.0

if(input > 0 and input <=12)

c. 35.0

Write *

d. 29.0

else if (input >12 and input <=24)

Write **

else if (input >24 and input <= 30)

Write ***

input --

end if

End while

11. How many times 'a' is printed

```
#include main() {
```

```
int a;
```

```
a=f1(10);
```

```
printf("%d",a);
```

```
}
```

```
f1(int b) {
```

```
if(b==0)
```

```
return 0;
```

```

else {
printf("a");
fl(b--);
}
}

```

- a. 9 times
- b. 10 times
- c. 0 times
- d. Infinite number of times

12.

```
int main() {
    int i,n;
    i=5; n=7;
    int f = fun(5,7);
    printf("%d", f);
}
int fun(int x, int y)
{
    if(x<=0)
return y;
else
return(fun(x-1,y-1));
}
```

- a. 0
- b. 1
- c. 3
- d. 2

13.

```
int main()
{
    int a[1]={100};
    printf("%d", 0[a]);
    return 0;
}
```

- a. 100
- b. 0
- c. Garbage value
- d. Compilation error

14. What will be the output of the following code

```

void main()
{
    int count=1,digit=0;
    while(digit<=9)
    {

```

```

++count;
++digit;
}
printf("%d",count);
}

```

- a. 10
- b. 9
- c. 11
- d. 12

15. What will be the output of the following code?

```

#include<stdio.h>
int main()
{
char c,a,b;
c = 'f'; //102
a = 's'; //115
b = 'x'; //120
int sum = c + a + b;
printf("%d", sum);
}

```

- a. 324
- b. 315
- c. 320
- d. 337

16. What will be the output of the following code.

```

#include<stdio.h>
int main( )
{
int n=5, k, f1, f2, f;
if( n < 2 )
return n;
else
{
f1 = f2 = 1;
for(k=2;k<n;k++)
{
f = f1 + f2;
f2 = f1;
f1 = f;
}
printf("%d",f) ;
}
}

```

- a. 8
- b. 5
- c. 13
- d. 7

17. What will be the output of the following code?

```
#include<stdio.h>
int main()
{
    int val=5;
    do{
        val++;
        ++val;
    }while(val++>7);
    printf("%d",val);
    return 0;
}
```

- a. 11
- b. 10
- c. 8
- d. 7

18. What will be the output?

```
#include<stdio.h>
```

```
void main()
{
    int a=5,b=2,c=1;
    if(b>a && a>c && c>b)
        b=a+1;
    else
        a=b+1;
    printf("%d",a+b+c);
}
```

- a. 6
- b. 11
- c. 19
- d. 7

19. What will be the output of the program ?

```
#include <stdio.h>
```

```
void main()
{
    int a[5] = { 5,1,15, 20,25},i,j,m;
    i = ++a[1];
    j = a[1]++;
    m= a[i++];
    printf("%d%d%d", i, j ,m);
}
```

- a. 3,2,15
- b. 2,3, 20
- c. 2,1,15

d. 1,2,5

20. What will be the output of the program ?

```
#include <stdio.h>
void main()
{
    char p;
    char buf[10] = {1,2,3,4,5,6,9,8}
    p = (buf +1) [5];
    printf("%d", p);
}
```

a. 5

b. 6

c. 9

d. Error

21. What will be the output of the program?

```
#include<stdio.h>
void main()
{
    float a[] = {12.4,2.3,4.5,6.7}
    printf("%d", sizeof(a)/sizeof(a[0]));
}
```

a. 5

b. 4

c. 6

d. 7

22. What will be the output of the program if the array begins at address 65486?

```
#include<stdio.h>
void main()
{
    int a[] = {12,14,15,23, 45}
    printf("%u%u", a, &a);
}
```

a. 65486, 65488

b. 65486, 65490

c. 65486, 65487

d. 65486, 65486

23. Find the output of the following code.

```
int Integer = 24;
char String = 'I';
System.out.print(Integer);
System.out.print(String);
```

a. Compile error

- b. Throws exception
- c. I
- d. 24 I

24. Select the valid statement

- a. `char [] ch = new char(5)`
- b. `char [] ch = new char[5]`
- c. `char [] ch = new char()`
- d. `char [] ch = new char[]`

25. . Find the value of A[1] after execution of the following program.

```
int[] A = {0,2,4,1,3};  
for(int i = 0; i < A.length; i++){  
    A[i] = A[(A[i] + 3) % A.length];  
}
```

- a. 0
- b. 1
- c. 2
- d. 3