

Top 20 Pseudocode Questions

1. What will be the output of the following pseudo code?

For input $a = 5$ & $b = 5$
function (input a , input b)
If ($a < b$)
 return function (b, a)
elseif ($b \neq 0$)
 return ($a * \text{function}(a, b - 1)$)
else
 return 0

A)15625

B)625

C)3125

D)0

2. What will be the output of the following pseudocode ?

Integer p, q, r
Set $p=8, q=6, r=5$
for (each r from 5 to 8)
 $p = (6 \& 3) + r$
 if ($4 < q$)
 $p = 3 + r$
 $q = q + q$
End if

End for
Print p+q

- A)107
- B)14
- C)117
- D)127

3. What will be the output of the following pseudocode?

Integer a, b, c

Set a = 8, b = 6, c = 4

If (a > b)

 a = b

Else

 b = a

End If

If (c > b)

 c = b

Else

 b = c

End If

Print a + b + c

- A)20
- B)14
- C)17
- D)13

4. What will be the output of the following pseudo code

initialize char c

set c= a

```
print "%d",a
```

- A)64
- B)97
- C)A
- D)error

5. What will be the output of the following pseudo code?

```
BEGIN
  DECLARE char c, a, b
  DECLARE int sum
  SET c = 'f'
  SET a = 's'
  SET b = 'x'
  SET sum = c + a + b
  PRINT sum
END
```

- A)324
- B)315
- C)320
- D)337

6.What will be the output of the following pseudo code?

```
arr[]= {1,2,3,4,5}
```

```
initialize i,n
initialize an array of size n
  accept the values for the array
for i= 0 to n
  arr[i] = arr[i]+arr[i+1]
end for
print the array elements
```

- A)3 5 7 9 5
- B)3 5 7 9 11
- C)3 5 9 15 20
- D)error

7. What will be the output of the following pseudo code?

```
Integer a, b, c
Set a=7, b=8, c=7
for(each c from 2 to 4)
  b=11+a
End for
for(each c from 3 to 4)
  b= (b&10)+a
  b= (c+11)+c
End for
Print a+b
```

- A)24
- B)26
- C)27
- D)15

8. What will be the output of the following pseudocode?

Integer p, q, r
Set p=7, q=4, r=5
if ((p + r) < (q-p)) || (r<p)
r=q&p
r=(r+3)&p
End if
Print p+q+r

- A)18
- B)14
- C)17
- D)16

9.What will be the output of the following pseudocode for
a = 4, b = 6?

Integer funn (Integer a, Integer b)
if (a > 2)
 if (b > 2)
 return a + b + funn(a + 1, b - 5)
 End if
End if
return a - b
End function funn

- A)17
- B)14
- C)22
- D)12

10. What will be the output of the following pseudocode for a = 2, b = 6?

```
Integer funn (Integer a, Integer b)
if (a > 0)
    if (b > 0)
        return a + b + funn(a + 1, 0) + funn(a + 2, 0) + funn(a + 3, 0)
    End if
End if
return a + b
End function funn()
```

- A) 21
- B) 17
- C) 37
- D) 20

11. What will be the output of the following pseudocode for a = 1, b = 2?

```
Integer funn (Integer a, Integer b)
if (a < 3 and b < 4)
    return funn (a + 1, b + 1)
Else return a + b
End if
End function funn()
```

- A) 8
- B) 19
- C) -7
- D) 7

12. What will be the output of the following pseudocode for input a = 30, b = 60, c = 90?

```
Integer a, b, c, sum
Read a, b, c
Set sum = a + b + c
if ((sum EQUALS 180) and (a NOT EQUALS 0) and
(b NOT EQUALS 0) and (c NOT EQUALS 0))
    Print "Success"
Otherwise
    Print "Fail"
End if
```

- A) Success
- B) None of the mentioned options
- C) Error in the logic of the pseudocode
- D) Fail

13. What will be the output of the following pseudocode?

```
Integer x
Set x = 5
x = x + 5
Print x
```

- A) 5
- B) 10
- C) 15
- D) 20

14. What will be the output of the following pseudocode for a = 9, b = 7?

```
Integer funn (Integer a, Integer b)
Integer c
Set c = 2
b = b mod c
a = a mod c
return a + b
End function funn()
```

- A) 17
- B) 5
- C) 2
- D) -5

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

```
Integer p, q, r
Set p = 3, q = 1, r = 2
If (p + (2 & 2 & 2) and q + (3 & 3 & 3) and r + (2 ^ 2 ^ 2))
    p = p - 2q = p
Else
    p = r
    q = q^2
End If
Print p + q + r
```

- A) 8
- B) 4
- C) 16
- D) -8

16. What will be the output of the following pseudocode ?


```
Integer p, q, r
Set p=6, q=4, r=6
for each r from (3 to 7)
    if ( (q+p+r) > (r+q) )
        continue
    End if
    q=5+r
    p=p+p
End for
Print p+q
```

- A) 8
- B) 9
- C) 10
- D) 16

17. What will be the output of the following pseudocode for **a=4, b=6?**

```
Integer funn (Integer a, Integer b)
    a=a<<(a-2)
    b=b>>(b-5)
    a=a+1
    b=b+1
    return a+b
End function funn ()
```

- A) 8
- B) 21
- C) 10
- D) 16

18. What will be the output of the following pseudocode ?

```

Integer p, q, r
Set p=8, q=6, r=5
for (each r from 5 to 8)
    p= (6&3) +r
    if(4<q)
        p= 3+r
        q=q+q
    End if
End for
Print p+q

```

- A)107
- B)108
- C)109
- D)106

19.What operation does the following pseudo code performs?

```

Declare an array of string type variable called word.
Declare a loopcounter
Store a string in the array word
for loopcounter = (length of the word) – 1 to 0
    loopcounter = loopcounter – 1
    print array word[loopcounter]
endfor
Algorithm end

```

- A)It accepts a string
- B)It reverses the string
- C)It prints the string in the same order
- D)None of the above

20. What will be the output of the following pseudocode ?

```
Integer p, q, r
Set p = 0, q = 4, r = 3
If (p or r)
    If (p and r)
        p = p & r
    End If
    p = p | r
End If
Print p + q + r
```

- A) 8
- B) 20
- C) 10
- D) 7