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

```
Integer funn( Integer a, Integer b)
a = a + b
if(a > b)
   return a + b + b + a + b
Else
   a=a-b
   return a + b + b + a + b
End if
End function funn()
```

- ○ 1
- ◉ 12
- ○ 8
- ○ 9

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

```
Integer a,b,c
Set a=3, b=7, c=5
  If((a&c)<(b-a))
       a=(b+10)+b
End if
C=(a&b)+c
Print a+b+c
```

- ○ 51
- ○ 31
- ○ 44
- ◉ 36

3. What will be the output of the following pseudo-code?

```
Integer p, q, r
Set p=7, q=6, r=10
p = (p+11) +r
if ( (r + p + q) < ( q + r) )
      p =( 11 & 4 ) & r
      r = ( r & 5) + p
End if
Print p+ q+ r
```

- ○ 51
- ○ 52
- ◉ 44
- ○ 39

4. **What will be the output of the following pseudo-code?**

```
String str1, str2
Set str1 = “.”
Set str2 = “Hello”
If str1 ! = str2
    str2  =str2 + “world” +str1
End if
str2 = str2 + str1 + “ Goodbye”
print (str2)
```

- ○ HelloWorld
- ○ .Goodbye
- ◉ HelloWorld..Goodbye
- ○ HelloWorldGoodbye..

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

```
Integer p, q, r
Set p=6, q=8, r=9
p = (r + r) & q
if ( ( 4 ^ 9) < p )
     p = 9 & p
     r = ( 4 + 7) + q
End if
P = ( 8 & 4) +p
Print p+ q+ r
```

- ○ 12
- ○ 18
- ○ 29
- ◉ 17

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

```
Integer p, q, r
Set p=2, q=4, r=10
If ( 7 < r || (q+ p) < (p +q) )
       r = r ^ p
End if
P = 5+r
if ( ( q + r) < ( r +q ) )
     r = 4 + q
End if
q = 11 + p
Print p+ q+ r
```

- ◉ 45
- ○ 51
- ○ 48

- ○ 46

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

```
Integer j
Integer arr = {3, 1, 0, 4}
If ( ( 3^4 ) < arr[3])
      arr[3] = ( arr ([3]+2) + arr[3] )
End if
arr[3] = ( arr[0] + 4) + arr[1]
Print arr[1]+arr[2]
```

- ○ 10
- ○ 2
- ○ -4
- ◉ 1

8.
```
Integer pp, qq, rr
Set pp=4, qq=7, rr=7
qq=(1&10)+rr
if((qq&rr)<rr)
            rr=(qq+rr)^qq
            qq=12+qq
End if
Print pp+qq+rr
```

- ○ 9
- ◉ 18
- ○ 25
- ○ 33

9.
```
Integer p,q,r
Set p=2, q=5, r=10
p=r+q
if((7-8)>(q+7))
            q=(r+11)+r
End if
if((p+q+r)<(q+r+p)
            p=7+q
Else
            r=(p+4)+p
End if
q=5+r
print p+q+r
```

- ○ 101
- ○ 84
- ○ 91

- (●) 88

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

```
Integer p, q, r
Set p=1, q=5, r=7
p=(r+p)^p
if((p+r)>(r-p))
        r=10^p
Else
        If((r&p%q)<(p+q-r))
                r=9^q
        Else
                q=(p+10)+q
        End if
End if
Print p+q+r
```

- (●) 17
- ( ) 12
- ( ) 25
- ( ) 21

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

```
1. Integer a, b, c
2. Set a = 9, b = 5, c = 4
3. for(each c from 2 to 5)
4.          b=b+a
5. End for
6. c=(11+5)+c
7. Print a+b
```

- ( ) 54
- (●) 50
- ( ) 47
- ( ) 55

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

```
1. Integer a, b, c
2. Set a = 1, b = 2, c = 10
3. for(each c from 4 to 5)
4.          a=(8+4)+b
5.          if((a+9)>(c-a))
6.                  a=(5+10)+c
7.                  a=b+c
8.          Else
9.                  Continue
10.         End if
```

11. b = (8&10)+c
12. End for
13. Print a+b

[Note- Continue: When a continue statement is encountered inside a loop, control jumps to the beginning of the loop for next iteration, skipping the execution of statements inside the body of the loop for the current iteration.

1. &: bitwise AND - The bitwise AND operator (&) compares each bit of the first operand to the corresponding bit of the second operand. If both bits are 1, the corresponding result bit is set to 1. Otherwise, the corresponding result bit is set to 0.]

- ○ 37
- ○ 41
- ○ 25
- ◉ 30

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

```
1. Integer p, q, r
2. Set p = 4, q = 6, r = 6
3. for(each r from 4 to 6)
4.         q=12+p
5.         if(8>q)
6.                 p=8+q
7.                 p=(r+q)+r
8.         Else
9.                 q=1&p
10.                Continue
11.        End if
12. End for
13. Print p+q
```

[Note- Continue: When a continue statement is encountered inside a loop, control jumps to the beginning of the loop for next iteration, skipping the execution of statements inside the body of the loop for the current iteration.
&: bitwise AND - The bitwise AND operator (&) compares each bit of the first operand to the corresponding bit of the second operand. If both bits are 1, the corresponding result bit is set to 1. Otherwise, the corresponding result bit is set to 0.]

- ○ 14
- ○ 3
- ◉ 4
- ○ 6

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

```
1. Integer p, q, r
2. Set p = 4, q = 5, r = 10
3. for(each r from 2 to 6)
4.         q = p+q
```

```
5.      q = (q+9)+q
6. End for
7. q=(p+6)+p
8. q=12+r
9. for(each r from 2 to 3)
10.     p=(r+p)+q
11.     p=r+p
12. End for
```

- (●) 71
- ( ) 65
- ( ) 82
- ( ) 73

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

```
1. Integer a, b, c
2. Set a = 1, b = 8, c = 7
3. for(each c from 3 to 7)
4.      b=(12+8)+a
5. End for
6. for(each c from 2 to 5)
7.      a=(b+b)+b
8. End for
9. Print a+b
```

- ( ) 79
- ( ) 88
- (●) 84
- ( ) 92

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

```
1. Integer p, q, r
2. Set p = 8, q = 2, r = 9
3. for(each r from 2 to 3)
4.      p=(r+3)+p
5.      if((q+r)<(p-q))
6.          p=(q+r)+p
7.      End if
8. End for
9. Print p+q
```

- (●) 30
- ( ) 25
- ( ) 40
- ( ) 33

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

```
1. Integer p, q, r
2. Set p = 7, q = 3, r = 6
3. for(each r from 3 to 4)
4.         p = (q +12) + r
5. End for
6. for(each r from 5 to 6)
7.         p = (q + q) + r
8. End for
9. Print p + q
```

- ○ 10
- ◉ 15
- ○ 27
- ○ 17

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

```
1. Integer a, b, c
2. Set a = 9, b = 4, c = 7
3. for(each c from 3 to 4)
4.         b=(3+8)+c
5.         if((b+4)<(4-b))
6.                 Continue
7.         Else
8.                 Jump out of the loop
9.         End if
10.        a=8+c
11. End for
12. Print a+b
```

- ◉ 23
- ○ 31
- ○ 20
- ○ 26