1. **What will be the output of the following pseudocode for n = 5?**
    1. Integer i, j, n
    2. Read n
    3. for(each i from 1 to n)
    4.   for(each j from 1 to i)
    5.   Print i
    6.   End for
    7.   Go to New line
    8. End for

    ⦿ 122333444455555

    ○ 12345678910111213 1415

    ○ 112123123412345

    ○ None of the mentioned options

2. **What will be the output of the following pseudocode?**
    1. Integer a, b, c
    2. Set a = 2, b = 1
    3. for(each c from 2 to 4)
    4.   a = b + 1
    5.   b = b + a
    6.   if(c + 1 > 2)
    7.   Jump out of the loop
    8.   End if
    9.   a = a + 1
    10. End for
    11. Print a + b

    ○ 10

    ○ 16

    ⦿ 5

    ○ 3

3. **What will be the output of the following pseudocode?**
    1. Integer a, b, c
    2. Set a = 1, b = 1
    3. for(each c from 3 to 5)
    4.   if(a & c > a ^ c)
    5.   Continue
    6.   Else
    7.   a = a ^ c
    8.   End if
    9.   a = a & c
    10. End for
    11. Print a + b

&: 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.

^ is the bitwise exclusive OR operator that compares each bit of its first operand to the corresponding bits of its second operand. If one bit is 0 and the other bit is 1, the corresponding result bit is set to 1. Otherwise, the corresponding result bit is set to 0.]

- ○ 0
- ○ 16
- ◉ 2
- ○ 5

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

```
1. Integer p, q, r
2. Set p = 0, q = 4, r = 9
3. for(each r from 3 to 5)
4.        p=11+r
5.        if((9-q-p)<(p-r))
6.                Continue
7.        Else
8.                Jump out of the loop
9.        End if
10.       p=(p+q)+p
11. End for
12. 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.]

- ○ 22
- ○ 26
- ◉ 20
- ○ 10

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

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

10.   End if
11. End for
12. 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.]

- ⦿ 72
- ◯ 83
- ◯ 71
- ◯ 79

6. What will be the output of the following pseducode:

```
Integer  j, m
Set m=1
Integer a[4] = {2,1,2,1}
For (each j from 1 to 2)
        If(a[j] > a[j – 1])
               If (a[j+1]>a[j])
                     m=m-1
                   end if
             end if
         end for
printf m
```

- ◯ 5
- ⦿ 1
- ◯ -3
- ◯ 12

7. What will be the output of the following pseudo code for a=8, b=4, c=5 ?
```
Integer funn(Integer a, Integer b, integer c)
For (each c from 5 to 8)
   A=(a^b)+b
   B=c^a
End for
 C=(1+12)+c
 B=(a+6)+c
 For(each c from 3 to 4)
   b=(2+7) +a
   b=(b^3)+a
 end for
 return a+b
```

- ◯ 135

○ 142

○ 144

◉ 155

8. **What will be the output of the following pseudo code for a=8, b=4, c=5 ?**

    Integer funn(Integer a, Integer b, integer c)

    For (each c from 5 to 8)

      a=(a^b)+b

      b=c^a

    End for

    c=(1+12)+c

    b=(a+6)+c

    For (each c from 3 to 4)

      b=(2+7) +a

      b=(b^3)+a

    end for

    return a+b

    ○ 135

    ◉ 142

    ○ 144

    ○ 155

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

    Integer a,b,c

    Set a=2, b=4, c=9

    For (each c from 4 to 7)

      a=(10+12)+a

    end for

    for(each c from 3 to 5)

      b=(a+1)+b

      a=(b+10)&c

    end for

    print a+b

    ○ 98

    ○ 88

    ◉ 102

    ○ 110

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

    Integer a,b,c

    Set a=5 , b=6 , c=9

    For (each c from 5 to 6)

      a=(c + c)+b

      if((a^b)<(c+a))

          jump out of the loop

```
  else
      c=(a+a)&b
      b=(c+a)+c
end if
end for***************************//
print a+b
```

- ◉ 18
- ○ 32
- ○ 26
- ○ 54