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

```
Integer p,q,r
Set p=7,q=3,r=6
if((7^7^r) < (3^p))
   r=(r+p)^r
end if
if((r+q)<(p-r))
   r=(r+p)^r
   p=(p+r)+r
end if
print p+q+r
```

- (●) 16
- ( ) 0
- ( ) 29
- ( ) 17

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

```
Integer p,q,r
Set p=1, q=2,r=7
if((q^9)<9  II (r&5)<p)
   P= (9+10)^q
End if
Print (p+q+r)
```

- ( ) 24
- ( ) 6
- (●) 10
- ( ) 14

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

```
Integer p,q,r
Set p=4 , q = 7, r = 4
if((q^r)<(p+q))
   q=(q+q)&r
   p=(r+q)+q
else
   r=1+r
   if((r^6)<6)
      r=(3+8)+p
      q=(r+7)^q
   end if
   r=(q+r)+q
```

```
end if
print p+q+r
```

- ○ 14
- ○ 31
- ○ 25
- ◉ 20

4. What will be the output of the following psusdo code ?

```
Integer p,q,r
Set p=6 , q = 6 , r=7
if((q+p)>(p-q))
   if((r^q^6)<(9+p+r))
      if((q+6)>(r-q))
        P=2&r
      End if
     P=(1+12)+r
   End if
  q =(8+1)+q
end if
p=q+r
q=(10+4)+r
print p+q+r
```

- ◉ 50
- ○ 45
- ○ 51
- ○ 63

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

```
integer a, b, c
Set a=3, b=5, c=6
if((c&a)<a || (b^c)<c)
   c=(a+b)&b
End if
Print a+b+c
```

- ◉ 8
- ○ 14
- ○ 15
- ○ 5

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

```
Integer a, b, c
```

```
Set a=3, b=5, c=6
if((c&a)<a || (b^c)<c)
    c=(a+b)&b
End if
Print a+b+c
```

- (●) 14
- ( ) 8
- ( ) -10
- ( ) 18

7. What will be the output of the following pseudocode for input a=3 and b=4?

```
Integer fun (Integer a, Integer b)
Integer c, n
Set n = 5
If (b < 1)
   return n
else
   return fun (a+b+2, b-2)
End if
End fun()
```

- ( ) 5
- ( ) 15
- (●) 9
- ( ) 7

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

```
Integer pp, qq, rr
Set pp = 7, qq = 9, rr = 13
pp = (qq + 11) + qq
qq = rr
if((qq - pp) < (pp - qq) OR pp > rr)
    rr=rr
End if
Print pp + qq + rr
```

- (●) 55
- ( ) 54
- ( ) 61
- ( ) 57

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

```
Integer a, b, c
Set a = 5, b = 10, c = 10
c = a
a = (a ^ a) + b
```

b = (b & 3) + c
Print a + b + c

- ○ 17
- ◉ 22
- ○ 26
- ○ 33

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

```
Integer a, b, c
Set a=2, b=4, c=9
if((5^a^b)<(3+b+c))
   c=(a+c)+b
   c=a
End if
Print a+b+c
```

- ◉ 8
- ○ 11
- ○ 17
- ○ 5

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

```
Input is 4
Integer i, j, n
Repeat for i: =1 to n
   Repeat for j: =1 to i
      print i
End loop
```

- ○ i
  ii
  iii
  iiii
- ○ 1
  12
  123
  1234
- ○ iiii
  iii
  ii
  i
- ◉ 1
  22
  333
  4444

12.

What is the output of the following pseudocode?

```
Integer end, beg, n
Set beg = 5, end = 7, sum = 0
if ( beg > end )
   print sum+1
else
   for( n = end; n >= beg; n=n-1)
      sum = sum + n
   end for loop
endif
print n
```

- ○ 6
- ◉ 4
- ○ 7
- ○ 9

13. What is the output of the following pseudocode?

```
Input n is 4
Integer i, j, n, Num = 1
Repeat for i: =1 to n
   Repeat for j: =1 to i
      print Num
      Increment Num by 1
End loop
```

- ○ Num
  NumNum
  NumNumNum
  NumNumNumNum
- ○ 1
  22
  333
  4444
- ○ 1
  12
  123
  1234
- ◉ 1
  23
  456
  78910

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

```
Integer n
   for (n = 3; n != 0; n–)
      Print n
```

n = n-1
end for

- 3 1
- 1 2 3
- (selected) Infinite Loop
- 3 2 1

15. ch = ‘b’;
while(ch >= ‘a’ && ch <= ‘z’)
ch++;
How many times the following loop be executed?

- 0
- (selected) 25
- 1
- 26

16. What will be the output of the following pseudocode?
Input n = 1234
Integer q, r and rn
Set q=n and rn = 0
while (q > 0)
r = q mod 10
rn = rn + r^3
q= q / 10
End of loop
print rn

- 110
- (selected) 100
- 36
- 321

17. What will be the output of the following pseudo code ?
Input f = 6,g = 9 and set sum = 0
Integer n
if (g > f)
for(n=f; n<g; n=n+1)
sum=sum+n
End of loop
else
print Error messages
print sum

- 19
- 15

- (●) 21
- ( ) 20

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

```
Declare variable x, y and i
Set x =0 and y =1
for(int i=1; i<=4; i=i+1)
   print x
   x = x + y
   y = x / y
End of loop
```

- ( ) 1 0 2 4
- (●) 0 1 2 4
- ( ) 4 2 0 1
- ( ) 0 1 2 3