1. What will be the output of this code?

```
a = 8
b = 10
c = b - a
Repeat till(c<=2){
   print(c)
   c=c+1
}
```

- ○ 2 1 2000
- ○ -2 -1 0 1 2
- ○ 2 1 0 -1 -2
- ◉ 2

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

```
Integer x,y
for(each x from 1 to 11)
x=x+2
end for
print x
```

- ○ 15
- ◉ 13
- ○ 11
- ○ 12

3.
```
ch = 'b';
while(ch >= 'a' && ch <= 'z')
   ch++;
```
How many times the following loop be executed?

- ○ 0
- ◉ 25
- ○ 1
- ○ 26

4. 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
- ◉ 100
- ○ 36
- ○ 321

5. 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

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

```
Integer a
String str1
Set str1 = “goose”
a = stringLength(str1)
Print (a ^ 1)
```

- ○ 0
- ◉ 4
- ○ 5
- ○ 3

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

```
Integer a
String str1
Set str1 = “momo”
for (each a from 1 to 2)
   str1 = str1 + “mm”
End for
Print (stringLength(str1))
```

[Note: stringLength(): stringLength() functions counts the number of characters)

- ○ 7
- ○ 4
- ○ 6

- (●) 8

8. Which of the following series will be printed by the given pseudocode?

```
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
```

- ( ) 2 4 6 8 10
- (●) 1 3 6 10 15
- ( ) 1 2 3 4 5
- ( ) 1 1 2 3 5

9. What is the output of the following pseudocode?

```
Integer a, b, c
Set b = 2, a = 1
for(each c from 1 to 2)
   a = a*c
   b = b*c
End for
if ((1 & 4) || (1 ^ 1) || (2 ^ 3))
   b = a - 1
   a = a - 1
Else
   a = a ^ 1
   b = b ^ 1
End if
print a + b + c
```

- ( ) 1
- ( ) 6
- (●) 5
- ( ) 7

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

```
Integer a, b, c
Set b = 10, a = 1
for(each c form 1 to 2)
   a = (a+c) * c
   b = b - c
End for
if (0)
   b = a - 1
   a = a - 1
```

```
    a = b + 1
Else
    a = b + 1
    b = a - 1
    a = a - 1
End if
Print a + b + c
```

- ○ 20
- ○ 25
- ○ 10
- ◉ 17