1. **What will be the output of the following algorithm?**
   Start
   Declare a, I and b
   for I =0 to 4
      Increment a by 1
      if I = 3 then
         print hello
         get out of the loop
      End if
   End for
   print a

   ○ 2
   ○ 4
   ● hello4
   ○ hello

2. **What will be the out put of following pseudocode ?**
   char[]text='TESTSTRING'
   integer a,c
   char ch='T'
   c=0
   for(each a from 0 to length of text)
      if (text[a]==ch)
         c=c+1
      end if
   end for
   if (c>0)
      print(c)
   else
      print"0"

   ○ 6
   ○ 1
   ● 3
   ○ 10

3. **What will be the output of the following pseudocode?**
   Integer a,b,c
   Set a=6,b=84
   while(b>0)
      b=b/2
      a=a+6
      c=a+b
      while(c>40)
         if(c mod 2 IS EQUAL TO 0)

```
        Print a
    else
        Print b
    c=c/10
    End while
End while
Print c
```

- ○ 12 4
- ◉ 12 1 48 4
- ○ 12 1 4
- ○ 48 4

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

```
Integer a,b
Set a=2, b=50
    while(b>0)
        a = b MOD 2 +a
        if( a MOD 3 IS EQUAL TO 0)
            Print (a)
        else
            Print(b-1)
        b=b/5
        a=a+1
    end while
```

- ◉ 49, 3, 1
- ○ 3, 3, 3
- ○ 50, 10, 2
- ○ 50, 3, 2

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

```
Integer i
Set i = 3
do
    print i + 3
    i = i - 1
while(i not equals 0)
end while
```

- ○ 6 6 6
- ○ 6 5 6
- ○ 5 5 5
- ◉ 6 5 4

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. **What will be the output of the following pseudocode?**
Integer a
Set a = 10
while(a NOT EQUALS a/2)
   print "engineering"
   a = a - 1
   if(a EQUALS 3)
      Print "engineering"
   end if
   jump out of the loop
   Print "engineering"
end while
if(a EQUALS 2)
   print "23"
else
   print "engineering"
end if

- ○ It will print engineering 3 times
- ● It will print engineering 2 times
- ○ It will print engineering 4 times
- ○ It will print 23

9. How many times the following pseudocode will print "btech"?

Integer a, b
for(each a from 0 to 3)
   for(each b from 0 to a)
      print "btech"
   end for
end for

    ○ 8 times

    ○ 9 times

    ● 10 times

    ○ 11 times

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

Start
Declare integer i, j
Set i=0, j=0
label1: while (i< 3)
    i=i+1
    while (j < 3)
      print "A"
        Go to label1
    End while
  End while

    ○ It will print A two times

    ● It will print A three times

    ○ It will print A one time

    ○ It will result in an infinite loop