

1. Predict the output.

a = 1

b = 2

c = 3

d = 4

e = 5

f = 6

n = 1

repeat until(n <= 5) {

 a = a + n

 b = b + n

 c = c + n

 d = d + n

 e = e + n

 f = f + n

 print(f)

 n = n + 1

}

☐ 9 11 14 18 23

☒ 7 9 12 16 21

☐ 10 12 15 19 24

☐ 8 10 13 17 22

2. What is the output of this code?

a = 5

b = 10

n = 1

Repeat until(n < 5):

 c = a + b

 a = b

 b = c

 print(c)

 n = n + 1

☐ 15 30 45 60

☒ 15 25 40 65

☐ 15 20 25 30

☐ 15 30 60 120

3. What is the output of this code?

a = 1

b = 2

c = 3

d = 4

n = 1

Repeat until(n <= 5):

c = a * c

d = a * d

print(c)

n = n + 1

☐ 1 1 1 1

☐ 2 2 2 2

☒ 3 3 3 3

☐ 4 4 4 4

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

Integer i, j, k

Set k = 8

for(each i from 1 to 1)

for(each j from the value of i to 1)

print k+1

end for

end for

☐ 2

☒ 9

☐ 7

☐ 8

5. 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

6. 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

7. 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

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

Integer a, b, c

Set b = 10, a = 1

for(each c from 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

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

Integer a, b

Set a = 12, b = 5

if ((a ^b) && (a&b))

a = b

End if

Print a + b

☐ 9

☐ 11

☐ 17

☒ 10

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

Integer arr1[10], n, ctr, p, q, r

Set arr[] = {1,2,3,4,5,2,6,5,9}, n=9, ctr = 0

for(each p from 0 to n-1)

ctr = 0

for(each q from 0 to p-2)

if(arr1[p] = arr1[q])

ctr = ctr + 1

end for

for (each r from p+1 to n-1)

if(arr1[p] = arr1[r])

ctr = ctr + 1

end if

end for

if (ctr EQUALS 0)

print arr1[p]

end if

end for

☐ 2 5

☐ 1 2 3 4 5 6 9

☒ 1 3 4 6 9

☐ **None of the mentioned options**