## Question 1

What is the value of the expression 1 + 2 \*\* 2 \*\* 3? \_\_\_\_\_\_\_\_\_\_

Question 2

Which one of the following if statements will not execute successfully:

if (1, 2):

print('foo')

if (1, 2):

print('foo')

if (1, 2): print('foo')

if (1, 2):

print('foo')

Question 3

What is the output of the following code snippet:

if 'bar' in {'foo': 1, 'bar': 2, 'baz': 3}:

print(1)

print(2)

if 'a' in 'qux':

print(3)

print(4)

Question 4

Which of the following are valid if/else statements in Python, assuming x and y are defined appropriately:

if x < y: print('foo')

elif y < x: print('bar')

else: print('baz')

if x < y: print('foo') else: print('bar')

if x < y: if x > 10: print('foo')

if x < y: print('foo'); print('bar'); print('baz')

Question 5

What is the output of the following code snippet:

a = ['Mon', 'Tue', 'Wed', 'Thu', 'Fri']

while a:

if len(a) < 3:

break

print(a.pop())

print('Done.')

Question 6

After execution of the following code, what is the value of s?

s = ""

n = 5

while n > 0:

n -= 1

if (n % 2) == 0:

continue

a = ['Mon', 'Tue', 'Fri']

while a:

s += str(n) + a.pop()

if len(a) < 2: break