1.What are the two values of the Boolean data type? How do you write them?

TRUE or FALSE

2. What are the three different types of Boolean operators?

AND, OR, NOT

3. Make a list of each Boolean operator's truth tables (i.e. every possible combination of Boolean values for the operator and what it evaluate).

**1 = True, 0= False**

A B C

1 1 1

1 0 0

0 1 0

0 0 0

4. What are the values of the following expressions?

(5 > 4) and (3 == 5)

not (5 > 4)

(5 > 4) or (3 == 5)

not ((5 > 4) or (3 == 5))

(True and True) and (True == False)

(not False) or (not True)

All False

5. What are the six comparison operators?

**=, !=, >=, <, >, <=**

6. How do you tell the difference between the equal to and assignment operators? Describe a condition and when you would use one.

The “=” is an assignment operator is used to assign the value on the right to the variable on the left.

a = 10;

b = 20;

7. Identify the three blocks in this code:

spam = 0

if spam == 10:

print('eggs')

if spam > 5:

print('bacon')

else:

print('ham')

print('spam')

print('spam')

The three blocks are inside the if statement and the lines print('bacon') and print('ham').

8. Write code that prints Hello if 1 is stored in spam, prints Howdy if 2 is stored in spam, and prints Greetings! if anything else is stored in spam.

spam = input()

if spam == "1":

  print('Hello')

elif spam == "2":

  print('Howdy')

while spam >= 3:

print ('Greetings!')

9.If your programme is stuck in an endless loop, what keys you’ll press?

Press Alt key together with C key.

10. How can you tell the difference between break and continue?

The break statement terminates the iteration of a loop whereas continue skips the current iteration.

11. In a for loop, what is the difference between range(10), range(0, 10), and range(0, 10, 1)?

There is no difference between these.

12. Write a short program that prints the numbers 1 to 10 using a for loop. Then write an equivalent program that prints the numbers 1 to 10 using a while loop.

For i in range(1, 11):

print(i)

While Loop

i = 1

while(i<=10):

print(i)

i += 1

13. If you had a function named bacon() inside a module named spam, how would you call it after importing spam?

This is used to import function from module and then we can use imported function for our own.