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

True

Flase

**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 ).**

AND:

A B OUT

T T T

T F F

F T F

F F F

OR:

A B OUT

T T T

T F T

F T T

F F F

NOT:

A OUT

T F

F T

**4. What are the values of the following expressions?**

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

False

not (5 > 4)

False

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

True

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

False

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

False

(not False) or (not True)

True

**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.**

= --> to assign values to variable.

== --> to compare the existing values in variable.

**7. Identify the three blocks in this code:**

spam = 0

1)if spam == 10:

print('eggs')

2)if spam > 5:

print('bacon')

3)else:

print('ham')

print('spam')

print('spam')

**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 =1

if spam==1:

print("**Hello**")

elif spam==2:

print("**Howdy** ")

else:

print("**Greetings! "**)

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

**>**cltr+c

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

**break -**its break the loop further

**continue-**its skip that particular statment and continue the program

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

**range(10)-** here, loop runs in range untill 10, start from 0(default)

**range(0,10)-** here, loop runs in range untill 10, start from 0(give value)

**range(0,10,1)-** here, loop runs in range untill 10, start from 0(give data)and increment with 3rd values .

**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 x in range(1,11):

print(x)

>x=1

while x<=10:

print(x)

x+=1

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

import spam

#calling bacon()

spam.bacon()