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

a)True

b) False

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

Ans:- a)< b)> c) ==

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 ) .

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?

Ans > ,< , == , != , >= , <=

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

Ans:- =,==

A=10(assignment operator)

If b==10:

Print(‘ok’)

7. Identify the three blocks in this code:

spam = 0

if spam == 10: (first block)

print('eggs')

if spam > 5 (second block)

print('bacon')

else: (third block)

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.

Ans :

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?

Ans : Ctrl c, ctrl z

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

Ans: The continue statement in Python returns the control to the beginning of the while loop. The continue statement rejects all the remaining statements in the current iteration of the loop and moves the control back to the top of the loop.

Break however breaks out of the loop

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

Ans: in range 10 values start with zero and step size 1.

In range (0,10) we have liberty to decide initial point too

In range (0,10,1) we have liberty to decide step size

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(10):

print(i)

i=0

while i in range(10):

print(i)

i=i+1

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

From spam import bacon