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

Ans:- Boolean types are true and false.

Boo()= true

Boo()= false

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

Ans:- Three different type of operators are AND, OR ,and 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 truth table OR truth table NOT truth table

true true true true true true True true true

true false false true false true true false false

false true false false false false false true true

false false false false true false false false false

**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:- equal to, not equal to, greater than, greater than or equal to, less than, and less than of equal to

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

Difference between equal to which shows the value equally. assignment operator is use to assign the value.

a 5-assignment operator.

B==6

if (b>a) and (ba):

print("the number is greater")

else:

print("the number is not equal")

**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')

**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:-

spam-int(input(""}}

if spam-1:

print("hello world

if spam-2:

print("howdy")

else

print (“greetings”)

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

Ans:- break function will be written in the program.

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

**Ans:- the**  break statement terminates the whole 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)?

Ans :- range() with the stop argument.

Range() with start and stop argument.

Range() with start, stop and step.

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.

Ans:- for i in range(1,10):

  print(i)

while i in range (0, 10):

  print(i)

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

This function can be called with spam.bacon().