**MCS 173 - PYTHON PROGRAMMING**

**LAB 1 – PYTHON OBJECTS – LISTS**

**DATE:1/10/2020 TIME:2-4.30PM**

1. Farmers in your village want to use technology to know whether their corn fields are watered as per requirement. You are your village “Python” geek and have promised to write an application in next 2 hours to identify whether the field is watered enough or not.

There are water sources depicted by “w” and the corns grown in the field depicted by “c”. There is 2-dimensional list which depicts the field with water sources and corn plants as given below.

[[“w”,”c”,”c”,”c”],

[“c”,”c”,”c”,”w”],

[“c”,”c”,”c”,”c”]]

Which means we have 3 water sources for 10 corn plants. The rule is that for every 10 corns there should be at least one water source. Write a python method “ watered\_crop() which takes in the list and returns back a Boolean value of true if the field is watered as per rule else false. For example

watered\_crop([

[ "w", "c" ],

[ "w", "c”],

[ "c", "c”]]) ➞ True

watered\_crop([[ "c", "c", "c”,”c”]]) ➞ False