**Assignment 3**

**1**  Why are functions advantageous to have in your programs?

**Ans** suppose we want to add two different numbers multiple times, so with the help of function we can simply create of function and call it with different-different parameters.

Q2 When does the code in a function run: when it's specified or when it's called?

Ans - When it’s specified is just a piece of code only but when we run it, then only it will get executed.

3. What statement creates a function?

In Python it def add(a,b):

Pass

4. What is the difference between a function and a function call?

Ans = Function = def add(a,b):

C=a+b

Return c

**While ,**

**Function call will be as :- z= add(2,3)**

5. How many global scopes are there in a Python program? How many local scopes?

**Ans local sopes = variables inside a function can only accessed within the function scope**

**Global Scope = variable describe in a program**

6. What happens to variables in a local scope when the function call returns?

**Ans those local scopes values deleted automatically by garbage collector**

7. What is the concept of a return value? Is it possible to have a return value in an expression?

**Ans No it can not be a expression, instead it can be used as in a particular expression**

8. If a function does not have a return statement, what is the return value of a call to that function?

**Ans then function type must be void only**

9. How do you make a function variable refer to the global variable?

**Ans By simply applying global Keyword**

10. What is the data type of None?

**Ans NoneType only**

14. What is the purpose of the try clause? What is the purpose of the except clause?

**Ans try is applied to give a set of expression to work whether it will work or not, if not we just except exception e.**