**ASSIGNMENT 10**

1. How do you distinguish between shutil.copy() and shutil.copytree()?

Ans: shutil.copy() method is used to copy a single file from source to destination but shutil.copytree() method is used to copy the entire directory containing many files and subfiles from source to destination.

2. What function is used to rename files?

Ans: We can rename files by importing the os module and using os.rename(old\_name, new\_name) function.

3. What is the difference between the delete functions in the send2trash and shutil modules?

Ans: Delete function in the send2trash module delete the files by moving them into recycle bin, therefore, it is safer as compared to shutil modules because shutil module delete the files permanently from the system.

4.ZipFile objects have a close() method just like File objects’ close() method. What ZipFile method is

equivalent to File objects’ open() method?

Ans: ZipFile objects have zipfile.ZipFile(file\_name,’mode’) method to open zipfile objects, where file\_name is the name of the file and ‘mode’ argument is the read, write or append mode of the file. This method acts same as the File object’s open() method.

5. Create a program that searches a folder tree for files with a certain file extension (such as .pdf

or .jpg). Copy these files from whatever location they are in to a new folder.

Ans:

import os

import shutil

for folder,subfolders,files in os.walk('/work/'):

for file in files:

if file.endswith('.txt'):

path=os.path.join(folder,file)

dest='/work2/'

shutil.copy(path,dest)