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

Ans- shutil.copy copies a single source file or a directory to the destination folder while

shutil. copytree() will copy an entire folder and every folder and file contained in it.

2. What function is used to rename files??

Ans- os.rename()

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

Ans- send2trash sends the file to recycle bin and shutil permanently deletes the file.

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() function is equivalent to open().

5.Create a programme 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, shutil

def fileCopy(folder, extension, destFolder):

        folder = os.path.abspath(folder)

        destFolder = os.path.abspath(destFolder)

        print('Looking in', folder, 'for files with extensions of', ', '.join(extension))

        for foldername, subfolders, filenames in os.walk(folder):

                for filename in filenames:

                        name, extension = os.path.splitext(filename)

                        if e in extension:

                                fileAbsPath = foldername + os.path.sep + filename

                                print('Coping', fileAbsPath, 'to', destFolder)

                                shutil.copy(fileAbsPath, destFolder)
```

```
extension = ['.pdf', '.py']

folder = input("Enter the name of folder")

destFolder =  input("Enter the name of the destination folder ")

selectiveCopy(folder, extensions, destFolder)
```