**Assignment 12**

1. In what modes should the PdfFileReader() and PdfFileWriter() File objects will be opened?

Ans: PdfFileReader() will be opened in ‘rb’ mode and PdfFileWriter() File objects will be opened in ‘wb’.

2. From a PdfFileReader object, how do you get a Page object for page 5?

Ans: We can get data by page number by using getPage() method. For example, if we want to get information about page7 we can use getPage(6) method.

3. What PdfFileReader variable stores the number of pages in the PDF document?

Ans: To get the number of pages of a pdf we can use getNumPages() method.

4. If a PdfFileReader object’s PDF is encrypted with the password swordfish, what must you do

before you can obtain Page objects from it?

Ans: We have to decrypt the file using the decrypt() function. Therefore, to decrypt the file with password swordfish, code will be decrypt(“swordfish”). If we try to get Page objects from file before decrypting, we will get file error.

5. What methods do you use to rotate a page?

Ans: We can use rotateCloclwise(angle) and rotateCounterCloclwise(angle) to rotate a page.

6. What is the difference between a Run object and a Paragraph object?

Ans: A word document contains many paragraph objects. They are created whenever we press enter while typing data in the document, whereas, run objects are part of paragraph objects, that is if a paragraph contains many lines of same style, then that is a run object. If paragraph have some bold words or lines, then it is different run object. Paragraph object is simply just a paragraph in the document and run object is the style of the text written in the paragraph object.

7. How do you obtain a list of Paragraph objects for a Document object that’s stored in a variable named doc?

Ans: import docx

doc=docx.Document(“word.docx”)

print(doc.paragraphs)

for i in doc.paragraphs:

print(i.text)

8. What type of object has bold, underline, italic, strike, and outline variables?

Ans: Run object has bold, underline, italic, strike, and outline variables.

9. What is the difference between False, True, and None for the bold variable?

Ans: By assigning False to the bold variable, it will not set the style to bold, True keyword will allow the variable to be bold no matter what the style is and None will make the object non applicable to the bold variable.

10. How do you create a Document object for a new Word document?

Ans: doc=docx.Document()

11. How do you add a paragraph with the text ‘Hello, there!’ to a Document object stored in a variable named doc?

Ans: doc.add\_paragraph(“Hello, there!”)

12. What integers represent the levels of headings available in Word documents?

Ans: Integers from 0 to 4 represent levels of headings in Word documents. In total there are 5 levels, where 0 is the title heading, 1 is the main heading and 2 to 4 are the subheadings.