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

PdfFileReader() should be opened in “rb” mode and PdfFileWriter() can be as “/useNone”, “/useOutlines”, “useThumbs”, etc.

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

We need to pass a getPage() method to the pdffilereader object.

For getting page number 5, I will use the following command:

Import PdfFileReader

Pdfread=PdfFileReader(“…..”)

**Pdfread.getPage(4)**

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

The PdfFileReader stores total number of pages in the PDF document.

1. **If a PdfFileReader object’s PDF is encrypted with the password swordfish, what must you do before you can obtain Page objects from it?**

I will run the following codes to decrypt the pdf:

Import pyPDF2

Pdfreader=pyPDF2.PdfFileReader(open(“……”, ‘rb’)

Pdfreader.isEncrypted # to check if the file is encrypted or not

Pdfreader.decrypt(‘swordfish’) #if yes, then decrypting the pdf file with password

1. **What methods do you use to rotate a page?**

I use “rotateClockwise(180)” to rotate page to 180 degrees

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

Paragraph objects are used for formatting the text in a para format like: indentation, line spacing, etc. while the Run objects are used for text designing like bold, italic, font style, tab spacing, etc.

The Run objects can be seen in paragraph objects.

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

I will use the following code to obtain list of paragraph objects:

Import docx

Doc=docx.Document(‘doc.docx’)

List=[]

For i in range(len(Doc.paragraphs)):

List.append(Doc.paragraphs[i])

print(List)

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

Run objects are having bold, underline, Italics, Strike and outline variables as its attributes.

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

**bold = True** #means that the run objects will return the text as bold

**bold = False** #means that the run objects will not return bold text

**bold = None** #means that no specification for the text boldness is made by the run objects.

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

I will use the following code to create a document object:

import docx

doc=docx.Document()

1. **How do you add a paragraph with the text 'Hello, there!' to a Document object stored in a variable named doc?**

import docx

doc=docx.Document(‘doc.docx’)

doc.add\_paragraph(‘Hello, there!’)

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

The integer 0 is used to give a document heading. The other integers used for the level of headings are 1 to 4 with being the main heading and 4 is lowest highlighted subheading. The method add\_heading is used to add the heading