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

**PdfFileReader()** file object should be opened in ‘rb’ mode which is read binary mode. **PdfFileWriter()** file object should be opened in the ‘wb’ mode which is write binary mode.

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

From getPage(Page\_no) method we can get the page object on any page. So to get the page 5, we should pass ‘getPage(4)’ from the PdfFileReader object.

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

getNumPages() method stores no of pages in the PDF Document

**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?**

If a pdf is encrypted we need to decrypt it using the following

pdf\_reader = PdfFileReader(file\_path)

Pdf\_reader.decrypt(‘swordfish’)

for page in pdf\_reader.pages:

print(page.extractText())

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

rotateClockWise() -> For Clockwise rotation

rotateCounterClockWise() -> For Counter Clockwise rotation

PyPDF2 package allow only 90-degree rotation

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

A Run object is a contiguous run of text with the same style. A new Run object is needed whenever the text style changes.

The Document object contains a list of Paragraph objects for the paragraphs in the document. Each of these Paragraph objects contains a list of one or more Run objects.

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

import docx

doc = docx.Document('abc.docx')

doc.paragraphs

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

Run object has bold, underline, italic, strike, and outline variables. The text in a Word document is more than just a string. It has font, size, color, and other styling information associated with it.

A style in Word is a collection of these attributes. A Run object is a contiguous run of text with the same style. A new Run object is needed whenever the text style changes.

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

If Bold variable is True, style is set to Bold, If it is False, then style is not set to Bold and if it is None then the style is not applicable.

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

from docx import Document

document = Document()

document.add\_paragraph("Learn python programming")

document.save('mydocument.docx')

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

from docx import Document

doc = Document()

document.add\_paragraph("Hello, There!")

document.save('Hello.docx')

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

The levels for a heading in a word document can be specified by using the level attribute inside the add\_heading method. There are a total of 5 levels starting for 0 to 4. where level 0 makes a headline with the horizontal line below the text, whereas the heading level 1 is the main heading. Similarly, the other headings are sub-heading with their's font-sizes in decreasing order.