**Assignment 12 Solution**

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

**Answer :-**

**PdfFileReader() needs to be opened in read-binary mode by passing ‘rb’ as second argument in open().**

**PdfFileReader() needs to be opened in write-binary mode by passing ‘wb’.**

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

**Answer :-**

**Calling getPage(4) will return a page object for page 5.**

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

**Answer :-**

**The total number of pages in the document is stored in the numPages attributes of a PdfFileReader object.**

Q.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?

**Answer :-**

**Before we obtain the page object, the page has to be decrypted by calling .decrypt(‘swordfish’).**

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

**Answer :-**

**The rotateClockwise() and rotateCounterClockwise() method.**

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

**Answer :-**

**Paragraph Object : A document contain multiple paragraphs. A paragraph begins on a new line and contain multiple run.**

**Run Object :- Runs are contiguous groups of character within a paragraph with same style.**

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

**Answer :-**

**By using doc.paragraphs**

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

**Answer :-**

**A Run object has bold,underline,italic,strike, and outline variables.**

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

**Answer :-**

**True :- the attribute is always enabled , no matter what other style are applied to the run.**

**False :- The attribute is always disabled.**

**None :- default to whatever the run’s style is set to.**

**True always make the run object bolded and false make it always not bolded, no matter what the style’s bold setting is. None will make the run object just use the style’s bold setting.**

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

**Answer :-**

**By calling the docx.Document() function**.

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

**Answer :-**

**import docx**

**doc = docx.Document()**

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

**doc.save(“Hellothere.docx”)**

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

**Answer :-**

**Integer from 0 to 4.**

**The argument to add\_heading() are a string of heading text and a integer from0 to 4.**

**The integer 0 make the heading the title style, which is used for top of the document.**

**Integer 1 to 4 are for various heading level with 1 being a main heading and 4 the lowest subheading.**