SAMPLE PAPER					
General Instruction: (a) Make sure to follow a sequence while writing. (b) Paper is divided into 2 sections i.e., Section A & B (c) Section A Contains Conceptual Type Questions of 5 marks (d) Section B contains Competency Type Questions of 20 marks					
_SECTION A (OBJECTIVE TYPE QUESTIONS)-5 MARKS					
Q1.	What will be the data type of the expression 12/5==0?				
	a) True b) False c) bool d) float				
Q2.	What will be output of the following code:				1
	d1={1:2,3:4,5:6}				
	d2=d1.get(3,5) print(d2)				
	a) 3	b) 4	c) 5	d) Error	
Q3.	3. Consider the given expression:8 and 13 > 10				1
	Which of the following is the correct value of the expression?				
	a) True	b) False	c) None	d) NULL	
Questions 4 and 5 are ASSERTION AND REASONING based questions. Mark the correct choice as					
a. Both A and R are true and R is the correct explanation for A					
b. Both A and R are true and R is not the correct explanation for A					
c. A is True but R is False					
d. A is false but R is True					
Q4.	Assertion (A):- In the following code, statement3 is not required to close the file 1 'somefile.txt'.				
	with open('somefile.txt', "w") as outfile: #statement 1				
	outfile.write("Some text\n") #statement2				
	outfile.close() #statement3				
	Reasoning (R):- When you use 'with' statement in open function, you do not need to close the file at the end, because 'with' would automatically close it for you.				
Q5.	Assertion (A): If L is a list, then L+=range(5) is an invalid statement.				
	Reason (R): Only a list can be concatenated to a list.				

SECTION B (SHORT ANSWER TYPE QUESTIONS)- 20 MARKS

Q6. (a) Given is a Python string declaration:

mySubject = "Computer Science with Python"

- (i) Write the output of: print(mySubject[-27:-10:2])
- (b) Write the output of the code given below:

```
>>>a=[10,20,30,40,50,60,70]
```

>>> a[3:5]=[100,1000]

>>> a[3:5]=[10000]

>>> print(a)

Q7. t1=(10,20,"book",30,9.5,"item",[12,13],(3,4),30,5,30)

print(t1.index(20))

print(t1.index(30))

print(t1.count(30))

print(t1[-8:-4])

Q8. Write a user-defined function **Count_H_T()** in Python that displays the number of 2 lines starting with 'H' and 'T' in the file "Poem.txt".

Example, if the file contains:

Here we go round the mulberry bush,

The mulberry bush,

The mulberry bush.

Here we go round the mulberry bush

On a cold and frosty morning.

The line count should be 4.

Q9. Write a function Replace_Space() in Python which should read each character of a 2 text file "MYFILE.TXT" and then replace all spaces from text with dash (-).

Example:

If the file content is as follows:

"The relative paths are relative to current working directory."

The Replace_Space() function should display the output as:

2

"The-relative-paths-are-relative-to-current-working-directory."

Q10. Find output of the above code:

```
def convert(s):
n = len(s)
m = ''
for i in range(0, n):
    if(s[i]>='a' and s[i]<='m'):
        m = m + s[i].upper()
    elif(s[i]>='n' and s[i]<='z'):
        m = m + s[i-1]
    elif (s[i].isupper()):
        m = m + s[i].lower()
    else:
        m = m + '#'
    print(m)
```

convert('Hello@Python')

Q11. Write a function AMCount() in Python, which should read each character of a text 2 file STORY.TXT, should count and display the occurrence of alphabets A and M (including small cases a and m too).

For Example:

If the file content is as follows:

Updated information

As simplified by official websites.

The EUCount() function should display the output as:

A or a:4

M or m :2

Q12. Write a function reverseFile() in Python, which should read the content of a text 2 file "TESTFILE.TXT" and display all its line in the reverse order.

Example: If the file content is as follows:

It rained yesterday.

It might rain today.

I wish it rains tomorrow too.

I love Rain.

The RainCount() function should display the output as:

.yadretsey deniar tl

.yadot niar thgim tl

.oot worromot sniar ti hsiw l

.niaR evol I

- Q13. What is the difference between readline() and readlines() functions of text files? 2
- Q14. Write a single loop to display all the contents of a text file poem.txt after removing 2 leading and trailing whitespaces.

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Q15. Write the code to print just the last line of text file 'data.txt'