**Question 1:** Compare the built-in functions int() and str() with examples. (4 marks)

**Question 2:** Write a program using function to display a multiplication table of n\*n size, for any

given n. (5 marks)

**Question 3:** Write a program using function to display a find the binomial coefficient, ncr. (5 marks)

**Question 4:**. What is recursion? Write a recursive function to find the factorial of a number. (6 marks)

**Question 5:** Write a program using function to check the type of a triangle by getting the values

from the user. (8 marks)

**Question 6:** How exceptions are handled in Python? Illustrate with example. (10 marks)

**Question 7:** Write a program to read numbers sorted in one file and store the sorted numbers in

another file after deleting duplicates. (4 marks)

**Question 8:**. Describe the use of try-except method in Python with suitable Illustrations. (6 marks)

**Question 9:** Write a Python code to read a text file, copy the contents to another file after

removing the blank lines. (8 marks)

**1.**

a.Write a Python program to read the content of a Python file and display all the lines without comments.

b.Write a Python program to read the contents of a file Grades.txt and calculate the total marks and percentage obtained by a student.

**2.**

a.Write a Python program to create a file where all letters of English alphabet are listed by specified number of letters on each line.

b.Write a Python program to read a file line by line and store it into a list.

**3.**

a.Write a python program to replace a specific line with another text in a file.

b.Write a python program to merge two files and write it in a new file.

**4.**

a.Write a Python program to count the number of lines in a text file.

b.Write a Python program to count the frequency of words in a file.

**5.**

a.Write a function in Python to count and display the total number of words in a text file.

b.Write a function display\_words() in python to read lines from a text file "abc.txt", and display those words, which are less than 4 characters.

**6.**

a.Write a program in Python which allows you to insert at the 3rd position of an existing file called myFile.txt, the line "This line was inserted via Python code! " without changing the existing content file.

b.Write a function in python to count uppercase character in a textfile.

**7.**

a.Write a Python program to create a file where all letters of English alphabet are listed by specified number of letters on each line.

b.Write a Python program to generate 26 text files named A.txt, B.txt, and so on up to Z.txt.

**8.**

a.Write a function in Python to count and display the total number of words in a text file.

b.Write a function to search and display details of student whose rollno is '1005' from the binary file student.dat having structure [rollno, name, class and fees]

**9.**

a.Write a Python program to write a list to a file.

b. Write a Python program to create a file where all letters of English alphabet are listed by specified number of letters on each line.

**10**.

a.Write a python program to find the longest words in a file.

b.Write a Python program to read a file line by line and store it into a list.

**11. a.** Write a python code to read a text ﬁle ,copy the contents to another file after removing the blank lines

b. Various techniques to read a file line by line.

**12.**

a.Write a function in Python to count and display the total number of words in a text file

b.Write a function in Python to count words in a text file those are ending with alphabet "e"

**13.**

a.Write a Python program that takes a text file as input and returns the number of words of a given text file

b.Write a Python program to assess if a file is closed or not.

**14.**

a.Write a Python program to copy the contents of a file to another file

b.Write a Python program to extract characters from various text files and puts them into a list

**15.**

a.Write a program to delete a sentence from the specified position in a file

b.Write a program to function to capitalize each word in a file

**16.**

a.Write a python program to extract characters from various text files and put them into a list.

b. Write a python program to access whether the file is open or not

**17.**

a.Write a function in python to count the uppercase character in a text file.

b.Write a function in python to count and display the total number of words in a text file.

**18.**

a.Write a Python program to read first n lines of a file.

b.Write a Python program to append text to a file and display the text

**19.**

a.write a python program to read last n lines of a file.

b.write a python program to read a file line by line and store it as a variable

**20.**

a.Write a Python program to create a text file. Read the contents of the file, encrypt every character in the file with a distance of 3 and write it to a new file.

Eg. yak encrypted as bdn

b.Write a Python program to read a list consisting of integers, floating point numbers and strings. Separate them into different lists depending on the datatype.

**21.**

1. Write a code for different ways to clear a list in Python
2. Write a python Program tofindthe Sum of squares of first n natural numbers

**22.**

a.Write a Python program to read a random line from a file.  
b. Write a Python program to generate 26 text files named A.txt, B.txt, and so on up to Z.txt.

**23.**

a.Write a python program to find the longest words.

b.Write a Python program to read a file line by line store it into a variable.

**24** .

a..Write a function to search and display details of student whose rollno is '1005' from the binary file student.dat having structure [rollno, name, class and fees]

b.Write a function in Python to count uppercase character in a text file

**25.**

a.Write a Python program to copy the contents of a file to another file.

b.Write a python program to find the longest words.

**26.**

a.Write a Python program to append text to a file and display the text

b.Write a function in Python to count words in a text file those are ending with alphabet "e".

**27.**

a.Write a Python program to combine each line from the first file with the corresponding line in the second file.

b.Write a Python program to extract characters from various text files and puts them into a list.

**28.**

a.Write a function in Python to count and display the total number of words in a text file.

b.Write a program in Python that transforms the content of the file by writing each word in a separate line.

**29.**

a.Write a python program to remove CTnewline characters from a file

b.write a python program to read a file line by line and store it in to a variable

**30.**

a.Write a python program to find the count of words and frequency of lines in text file.

b.Write a python program to count and list variables in file.

**31.**

a.Write a python program to count the number of words in a text file.

b.Write a function in python to count the lowercase vowels in the file in.txt

**32.**

a.Given an input list removes the element at index 4 and add it to the 2nd position and also, at the end of the list.

b.Get the key corresponding to the minimum value from the following dictionary

**33.**

a.Write a program in Python which allows you to insert at the 3rd position of an existing file called myFile.txt, the line "This line was inserted via Python code! " without changing the existing content file.

b.Write a Python program to create a file where all letters of English alphabet are listed by specified number of letters on each line

**34.**

a.Write a Python program to read a file line by line and store it into a list

b.Write a Python program to remove newline characters from a file