Roll No……

GL BAJAJ
Institute of Management & Research
Greater Noida
FIND YOUR SPARK

Plot No. 2, Knowledge Park-III, Greater Noida (U.P.) –201306

POST GRADUATE DIPLOMA IN MANAGEMENT (2023-25)
END TERM EXAMINATION (TERM -V)

Subject Name: Text and Sentiment Analytics — Time: **02.00 hrs**
Sub. Code: PGIT52 — Max Marks: **40**

INSTRUCTIONS

1. **All questions are to be solved using Python Program.**
2. **Your file must have below information [use tripple """ for comments your details as given below**

```
"""
Name :
Roll No:
Section :
"""
```

3. **Each question detail must be started with """and followed by question details and then ends with """ As given below**

```
"""
Q1 Write program to match pattern with given string
"""
```

4. **In a single file you have to write all programs.**
5. **File name must be like Name_roll no_Section example Dileep_pgdm230023_C.py**

Q1 All parts are compulsory and all parts carry equal marks [5 Marks x 4=20 Marks]

a. Write a Python program to check whether given string starts with character ‘c’ and ends with character ‘r’
b. Write a Python program to count how often each letter appears in a given sentence.
c. Write a program checks whether the given string starts with the word 'Hello'.
d. Find all numbers in a string. Ex "I have 2 apples and 5 oranges, but 10 bananas." has two numbers.

Q2 Attempt any two parts are and all questions carry equal marks [10 Marks x 2=20 Marks]

i. Write a program to Tokenize a paragraph into words. Use Python’s nltk library
ii. Write a program using nltk to filter out common stop words like "the," "is," and "in" from a given sentence.
iii. Write a program to reduce words to their root form (e.g., "running" → "run") using Porter Stemmer.

Kindly fill the total marks allocated to each CO's in the table below:

Cos	Question No.	Marks Allocated
CO1	1a, 1b	20
CO2	1c ,1d	**20**
CO3	2i	10
CO4	2ii, 2iii	20
CO5		
CO6		

(Please ensure the conformity of the CO wise marks allocation as per your TLEP.)

Blooms Taxonomy Levels given below for your ready reference:

L1= Remembering
L2= Understanding
L3= Apply
L4= Analyze
L5= Evaluate
L6= Create