**Academic Task Number: \_\_\_\_\_\_\_2\_\_\_\_\_\_\_ Course code:** \_cs1324\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Date of allotment:** \_\_\_\_\_25-2-2025\_\_\_\_ **Course title: \_ Text Analytics\_\_\_\_\_\_\_\_\_\_**

**Date of submission: \_\_\_\_07-04-2025\_\_\_ Maximum Marks: \_\_\_\_\_ 30\_\_\_\_\_\_\_\_\_\_\_\_**

**Academic Task Type: \_\_\_\_\_\_\_\_Test\_\_**

| **Question Number** | **Question Statement** | **Course Outcome** | **Bloom’s level** | **Marks per Question** |
| --- | --- | --- | --- | --- |
| Q1 | You are given a piece of text. Write a Python program to **extract all country names** mentioned in the text.   * Use **NLTK library**. * Tokenize the text into words. * Compare each word with a list of country names provided by the **gazetteers corpus**. * Print the list of countries found in the text. | CO1 | L1: Remember | 10 |
| Q2 | Write a Python program to **extract all Nouns and Verbs** from a given text using **NLTK**.   * First, **tokenize** the text into words. * Then, apply **Part-of-Speech (POS) tagging** on the words. * Extract:   + All words whose POS tag starts with **"NN"** (for Nouns)   + All words whose POS tag starts with **"VB"** (for Verbs) * Finally, print the list of Nouns and Verbs separately. | CO2 | L3: Apply | 10 |
| Q3 | Viva Voice | CO3 | L6:Create | 10 |

**Important Note:**

1. In case, any faculty members wants to split any Question into two sub parts of 5 marks each the same can be done after the consent from the concerned HOD.
2. In case of MCQ based CA or term paper or design problem etc. the faculty member can add or remove the number of rows as required.
3. The template for academic task is only applicable for theory courses and not for practical and Project/Dissertation courses.
4. Each faculty member must also upload the soft copy of the duly filled template on the UMS interface at the time of CA allocation.
5. The faculty can also use this standard template as Question paper after adding the fields such as Reg.No, Roll No, Section, Group, Set Number etc.
6. In case any academic task is mapped with two course outcomes then it is necessary that two Questions out of three (one each for a course outcome CO) must be as per the particular course outcome whereas the third question can be from framed from any of the two course outcomes for that particular academic task as per choice of the faculty member.
7. For more detailed information regarding the outcome based evaluation and revised bloom’s taxonomy, kindly refer to Annexure-II: Examination reform policy