



SRM Institute of Science and Technology
College of Engineering and Technology
School of Computing

Mode of Exam
**OFFLINE-
CLASSROOM**

DEPARTMENT OF COMPUTATIONAL INTELLIGENCE

SRM Nagar, Kattankulathur – 603203, Chengalpattu District, Tamilnadu

REGISTER NUMBER:

Academic Year: 2023- 2024

EVEN SEM

Test : CLAT-1

Date: 20.02.2023

Course Code & Title :18CSE481T / Applied Machine Learning

Duration:1.00Hr

Year &Sem : III year / VI Sem

Max. Marks:25

S.No.	Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14
1	CO1	H	M	H	-	H	-	-	-			H	H	H	H
2	CO2	H	M	H	-	H	-	-	-			H	H	H	H
3	CO3	H	M	H	-	H	-	-	-			H	H	H	H
4	CO4	H	M	H	-	H	-	-	-			H	H	H	H

Part – A

(5 x 1 = 5 Marks)

Instructions: Answer All Questions

Q. No.	Question	Marks	BL	CO	PO	PI Code
1	A group of related documents against which information retrieval employed is called _____ A. Corpus B. Text database C. Index collection D. Repository Answer-	1	1	CO1	PO1	1.6.1
2	Fill in the blanks: _____ is used to identify the category of each word in a sentence Answer -	1	1	CO1	PO1	1.6.1
3	_____ of the following will be POS Tagger output when the input sentence is "They refuse to permit" A.[('They', 'PRP'), ('refuse', 'VBP'), ('to', 'TO'), ('permit', 'VB')] B.[('They', 'NN'), ('refuse', 'VBP'), ('to', 'TO'), ('permit', 'VB')] C.[('They', 'PRP'), ('refuse', 'NN'), ('to', 'TO'), ('permit', 'VB')] D.[('They', 'PRP'), ('refuse', 'VBP'), ('to', 'PRP'), ('permit', 'VB')] Answer -	1	2	CO1	PO1	1.7.1

4	In filtration process A.Special characters are removed B.Stop words are removed C.Stemming is performed D.Bottom up parser is applied Answer -	1	1	CO1	PO1	1.6.1
5	Identify the correct order for preprocessing in Natural Language Processing. A. tokenization->stemming->lemmatization B. lemmatization->tokenization->stemming C. stemming->tokenization->lemmatization D. tokenization->lemmatization->stemming Answer -	1	2	CO1	PO1	1.7.1
PART -B (2* 5=10 Marks)						
6.	Define TF and IDF (2). Find TF and IDF for the following example: (3) Sentence1 : Good Boy Sentence 2: Good Girl Sentence 3: Boy girl Good	5	1	CO1	PO1	1.6.1
7	Compare Stemming and Lemmatization. (3) Consider the following words and apply Stemming and Lemmatization: (2) Stripes, Caring, Studies, Universities	5	1	CO1	PO1	1.6.1
PART C (1*10 MARKS)						
8	Explain the importance of “Bag of Words” in NLP (5). Apply “Bag of Words” for the following sentences: (5) Sentence 1: ”Welcome to Great Learning, Now start learning” Sentence 2: “Learning is a good practice”	10	2	CO1	PO1	1.7.1

