

# GYANMANJARI INNOVATIVE UNIVERSITY

GYANMANJARI INSTITUTE OF TECHNOLOGY

B.Tech.-Mid Semester Examination (MSE)- S2026

Enrollment No.: \_\_\_\_\_

Subject Code: BETCE15402

Date: 30/03/2026

Subject Name: Natural Language Processing

Semester: 6<sup>th</sup>

Time: 02:30 PM to 04:30 PM

Total Marks: 60

Instructions:

1. Question No. 1 is compulsory.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

		Marks
Q.1	(a) Define Natural Language Processing.	05
	(b) Define Part-of-Speech tagging and its applications.	05
	(c) Discuss Application of NLP and Real Word Use.	10
Q.2	(a) Explain Sentiment Analysis.	05
	(b) What is Natural Language Generation (NLG)?	05
	<b>OR</b>	
	(b) Explain tokenization and normalization.	05
	(c) Explain N-gram language models in detail.	10
	<b>OR</b>	
	(c) Use BoW on One Example and Explain its Application.	10
Q.3	(a) Difference between BoW and TF-IDF.	05
	(b) Explain POS tagging.	05
	(c) Explain TF-IDF in detail and Its use.	10
	<b>OR</b>	
Q.3	(a) Explain Word2Vec in detail.	05
	(b) Explain CBOW model.	05
	(c) Difference between TF-IDF and SkipGram.	10