

CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS

III-B.TECH-I-Semester End Examinations (Supply) - December- 2025
NATURAL LANGUAGE PROCESSING
(CSM)

[Time: 3 Hours]

[Max. Marks: 70]

Note: This question paper contains two parts A and B.

Part A is compulsory which carries 20 marks. Answer all questions in Part A.

Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks.

PART-A

(20 Marks)

1. a)	What is meant by the semantics of a Natural Language?	[2M]
b)	What is tokenization? How it is used in analyzing document structure?	[2M]
c)	Write a short note on parsing algorithms.	[2M]
d)	What is word segmentation?	[2M]
e)	Explain about structural ambiguity.	[2M]
f)	Write about Meaning Representation.	[2M]
g)	Explain about Argument Structure.	[2M]
h)	Write a note on Structure Management.	[2M]
i)	Write a note on Language-specific modeling problems.	[2M]
j)	Differentiate Multi lingual and Cross lingual modeling.	[2M]

PART-B

(50 Marks)

2.	Discuss about the Morphological Models.	[10M]
OR		
3.	Explain in detail about the methods used to find the structure of documents.	[10M]
4.	Define parsing and explain about shift-reduce parsing.	[10M]
OR		
5.	Write a note on	
	a) Models for Ambiguity Resolution in Parsing.	[5M]
	b) Multilingual issues	[5M]
6.	Explain in detail about semantic interpretation.	[10M]
OR		
7.	Describe about the methods of word sense systems.	[10M]
8.	Illustrate the Predicate Logic with examples.	[10M]
OR		
9.	List the differences between Predicate and Predictor.	[5M]
10.	Explain in detail about reference resolution.	[10M]
OR		
11.	Discuss in detail about language specific models.	[10M]
