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PRESIDENCY UNIVERSITY

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Bengaluru

Mid Term Examinations - October 2026

Date: 05/10/2026 **Time:** 11:45 AM - 01:15 PM

Course Code: CAI3411 **Course Name:** Generative AI

Semester: Seventh Semester **Max. Marks:** 50 **Weightage:** 50%

CO - Levels	CO1	CO2	CO3
Marks	52	68	60

PART A: Answer Following Questions. 10 M

Q.N.	Questions	M	CO	BT
1	Define the terms prompt and prompt engineering.	2	CO1	BT1
2	Differentiate the two components of a prompt namely, task and system instruction.	2	CO1	BT1
3	What are the building blocks of LLMs?	2	CO1	BT1
4	What is an embedding? Give an example.	2	CO1	BT1
5	Explain Generative AI with an example	2	CO2	BT2

PART B : Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
6	Explain in detail any 5 generative models for different data modalities.	10	CO3	BT3
7	Explain in detail the four parameters that are used with generative models.	10	CO2	BT3

PART C: Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
8	Explain GPT, its variants, its features and applications	10	CO2	BT2
9	Briefly explain the applications of generative models.	10	CO3	BT2

PART D: Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
10	Explain the working of RNN used for modeling sequence data.	10	CO3	BT3
11	Discuss the various methods of tokenising a text data.	10	CO3	BT3

PART E: Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
12	Explain in detail the two variants of the transformer architecture, namely GPT and BERT?	10	CO3	BT3
13	Explain the RAG architecture and its various components in detail.	10	CO3	BT3