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# PRESIDENCY UNIVERSITY

BENGALURU

## Mid - Term Examinations - MARCH 2026

Date: 10- 03- 2026

Time: 09:30am - 11:00am

<b>School:</b> SOIS	<b>Program:</b> 4 BCA01,02,03	
<b>Course Code:</b> CSA 1704	<b>Course Name:</b> Principles of Artificial Intelligence	
<b>Semester:</b> IV	<b>Max Marks:</b> 50	<b>Weightage:</b> 25%

CO - Levels	C01	C02	C03	C04	C05
Marks	24	26			

### Instructions:

- (i) Read all questions carefully and answer them accordingly.
- (ii) Do not write anything on the question paper other than roll number.

### Part A

Answer ALL the Questions. Each question carries 2marks.		5Q x 2M=10M		
1	Define Artificial Intelligence (AI).	2 Marks	L2	C01
2	What is meant by an intelligent agent?	2 Marks	L2	C01
3	Define Propositional Logic	2 Marks	L2	C02
4	What is a Knowledge Base?	2 Marks	L2	C02
5	Mention any two types of reasoning.	2 Marks	L2	C02

## Part B

Answer the Questions.

Total Marks 40M

6.	a.	Define Artificial Intelligence. Explain its foundations and applications in detail.	10 Marks	L2	CO1
<b>Or</b>					
7.	a.	Trace the history of Artificial Intelligence and discuss its major developments.	10 Marks	L2	CO1
8.	a.	Explain intelligent agents in detail. Discuss their structure and functions.	10 Marks	L2	CO1
<b>Or</b>					
9.	a.	Discuss various types of intelligent agents with suitable examples.	10 Marks	L2	CO1
10.	a.	Explain Knowledge Representation in detail. Discuss its goals, issues, and methods.	10 Marks	L3	CO2
<b>Or</b>					
11.	a.	Describe Knowledge-Based Agents in detail with their structure and working.	10 Marks	L3	CO2
12.	a.	Explain First Order Logic in detail with predicates, quantifiers, and example	10 Marks	L3	CO2
<b>Or</b>					
13.	a.	Explain Inference in First Order Logic, including unification and resolution.	10 Marks	L3	CO2