

Reg. No.:

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Mid-Term Examinations – November 2021

Programme	: B. Tech, School of CSE	Semester	: Fall 2021-2022
Course	: FUNDAMENTALS IN AI and ML	Code	: CSA2001
Faculty	: Simi V.R.	Slot/ Class No.	: B21+B22+B23/0060
Time	: 1 ½ hours	Max. Marks	: 50

Answer all the Questions

Q. No.	Sub. Sec.	Question Description	Marks
1		Four additional features that can be built into AI agents are: internal states, goals, utility functions, and learning. Explain how each of these can enable an agent to act more intelligently. Illustrate your answer with some simple examples.	10
2		Describe about PEAS of the agents given below (a) Mushroom Picking Agent (b) Refinery Controller (c) Medical Diagnosis System	10
3		Write the algorithm for a simple problem-solving agent function and explain it.	10
4		Define the problem for the travel-planning website (For solving Airline travel problems).	10
5		With suitable examples explain the significance of predicate logic in AI.	10

