

Reg. No.:

Name :



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Mid-Term Examinations – November 2021

Programme	: B Tech	Semester	: Fall 2021-22
Course	: Fundamentals in AI and ML	Code	: CSA2001
Faculty	: Dr. M. Maragatharajan	Slot/ Class No.	: E21+E22+E23/ 0065
Time	: 1 ½ hours	Max. Marks	: 50

Answer all the Questions

Q.No.	Sub. Sec.	Question Description	Marks
1		Consider the driverless cars. The car may ply through both heavy-traffic and traffic-less areas. What are the PEAS components need for it? Also explain, how do you estimate the performance of it?	10
2		Assume a situation that you are driving the car and finding the route with the help of google map services. What type of agent is that? You brief the agent type with appropriate block diagrams. Also compare that with remaining agent types.	10
3		With a real time example illustrate the types of Uninformed search strategies in detail.	10
4		Brief about Alpha-Beta pruning with Tic-Tac-Toe game.	10
5		Write a short note on Backward chaining.	10

