Reg. No.:

Name :

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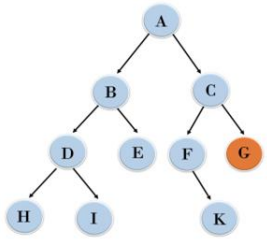
Mid-Term Examinations – November 2021

Programme	:	**B.Tech.**	Semester	:	**Fall 2021-22**
Course	:	**Fundamentals in AI & ML**	Code	:	**CSA2001**
Faculty	:	**Mr. E. Silambarasan**	Slot/ Class No.	:	**B11+B12+B13/0762**
Time	:	**1 ½ hours**	Max. Marks	:	**50**

Answer all the Questions

Q.No.	Sub. Sec.	Question Description	Marks
1		Explain in detail about features of agent environment in AI	**10**
2	(a)	Illustrate any two blind search algorithms with given binary tree. 	**5**
	(b)	Define constraint satisfaction problem (CSP). Explain Crypt Arithmetic problem with example SEND+MORE=MONEY.	**5**
3		Explain Local search algorithm with an example?	**10**
4		Convert given facts into FOL. (i) John likes all kind of food. (ii) Apple and vegetable are food (iii) Anything anyone eats and not killed is food. (iv) Anil eats peanuts and still alive (v) Harry eats everything that Anil eats.	**10**
5		Discuss about problem solving approaches to AI problem and Solve Chess Problem	**10**

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