School of Mechanical Engineering
Mechanical Engineering
ETE - Jun 2023

Time : 3 Minutes   **Marks : 50**

Sem II - MCCR5007 - Artificial Intelligence
Your answer should be specific to the question asked
Draw neat labeled diagrams wherever necessary

1.	Explain expert system and their applications.	K2 CO1 (2)
2.	Define state-space search technique.	K2 CO2 (2)
3.	Explain symbolic reasoning under uncertainty.	K2 CO2 (2)
4.	Define meta-knowledge with suitable example.	K2 CO2 (2)
5.	Explain the Heuristic search techniques.	K2 CO1 (2)
6.	What is fuzzy logic? What is its use?	K4 CO3 (5)
7.	Describe and explain the best-first search algorithm.	K4 CO4 (6)
8.	Explain the process of inducing decision trees from examples.	K3 CO3 (5)
9.	State and prove the Turing's test with suitable diagram.	K4 CO4 (8)
10.	Explore the uninformed and informed search strategies with suitable example.	K5 CO5 (8)
11.	Explain about intelligent backtracking.	K4 CO4 (8)