R18

Reg. No:

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR
(AUTONOMOUS)
MCA III Year I Semester Supplementary Examinations August-2021
ARTIFICIAL INTELLIGENCE

Time: 3 hours

Max. Marks: 60

(Answer all Five Units **5 x 12 = 60** Marks)

UNIT-I

1	a	Examine Depth Limited Search with examples?	6M
	b	Evaluate Local beam search?	6M

OR

2	Explain in detail about CSP?	12M

UNIT-II

3	a	Explain Syntax and Semantic elements of FOL?	8M
	b	What are the steps involved in Knowledge Engineering process?	4M

OR

4	a	Discuss about Backward chaining?	6M
	b	Discuss the concept of Unification?	6M

UNIT-III

5	a	Write short notes on classical planning problem with example?	6M
	b	Discuss about planning with state-space search?	6M

OR

6	Explain the following	12M
	i) Supervised learning ii) Unsupervised learning iii) Reinforcement learning	

UNIT-IV

7	a	Define expert systems with architecture?	7M
	b	Discuss Production System?	5M

OR

8	a	Discuss about Artificial Neural Systems?	6M
	b	Write short notes on Non-Procedural Paradigms?	6M

UNIT-V

9	a	Explain Decision tree in detail?	6M
	b	Discuss about certainty factors in expert system design?	6M

OR

10	Explain selecting the appropriate problem?	12M

*** END ***