

Roll No.:

SGT UNIVERSITY

END TERM THEORY EXAMINATION JULY-2022

Faculty/College of Study:	Engineering & Technology	Year/Semester:	6 th Semester
Program:	B.Tech CSE (Apple/General)	Duration:	03:00 Hrs.
Course/Subject:	Artificial Intelligence	Maximum Marks:	60
Course/Subject Code:	13020671	Batch:	2018

Instructions:-

1. Write Your Roll No. on the QuestionPaper.
2. Candidate should ensure that they have been provided correct question paper. Complaint(s) in this regard, if any should be made within 15 minutes of the commencement of the exam. No complaint(s) will be entertained thereafter.
3. All Questions are compulsory. Marks are indicated against eachquestion.
4. Illustrate your answer with diagram wherever required.

SECTION-A

(Very Short Answer Type Questions)

Note: All Questions are compulsory: -

[12X1=12 Marks]

S. No.	Question	Marks Allotted
1	What is Expert System?	1
2	Define AI.	1
3	What is type-2 of AI?	1
4	Define NLP.	1
5	What are the different types of Chaining?	1
6	What are the advantages of FOL?	1
7	What is SVM?	1
8	Define golden years of AI.	1
9	What are the types of Informed search algorithms?	1
10	What are the elements of reinforcement learning?	1
11	What are the different types of machine learning?	1
12	Define agent.	1

SECTION-B

(Short Answer Type Questions)

Note: All Questions are compulsory: -

[4X2=8 Marks]

S. No.	Question	Marks Allotted
13	Explain Searching in AI.	2
14	Explain role of AI in medical sector.	2
15	What is Best-first Search Algorithm?	2
16	Explain applications of AI in astrology and entertainment sector.	2

SECTION-C

(Descriptive Answer Type Questions)

Note: All Questions are compulsory: -

[4X4=16 Marks]

S. No.	Question	Marks Allotted
17	What is decision network?	4
18	Explain Backward chaining concept with an example.	4
19	Explain concept of conditional Probability?	4
20	What is A* Search Algorithm? Explain with an example.	4

SECTION-D

(Long Answer Type Questions)

Note: All Questions are compulsory: -

[4X6=24 Marks]

S. No.	Question	Marks Allotted
21	Explain concept of clustering with example.	6
22	Explain applications of AI.	6
23	Describe Hill Climbing Algorithm.	6
24	Explain depth-first search algorithm.	6