

ACE

Engineering College

(An Autonomous Institution)

Question Paper Code:

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ACE-R20

Semester End Examination

III B. Tech- II Semester Regular Examination- July -2023 Artificial Intelligence

(COMPUTER SCIENCE ENGINEERING AI & ML)

Гime: 3 Hours	Max. Marks: 70

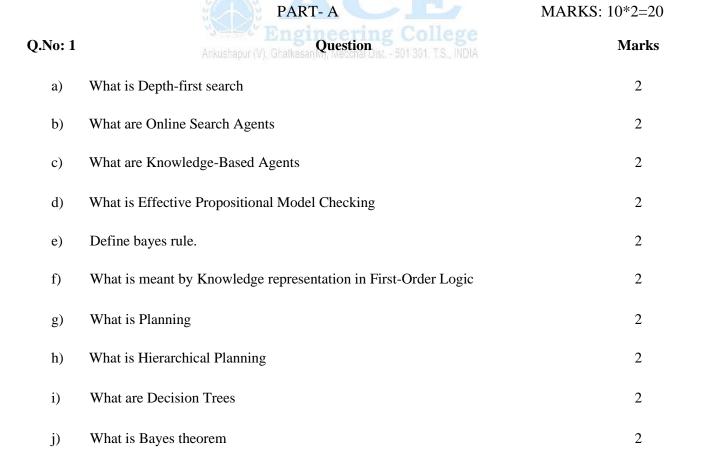
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Note: This question paper contains two parts A and B.

1.Part A is compulsory which carries 20 marks. Answer all questions in Part A.

2. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries

10 marks and may have a, b as sub questions



PART- B MARKS: 5*10=50

Q.No	Question Description	Marks		
2.	Explain Hill Climbing with an example	10		
	(OR)			
3	Explain Simulated annealing search	10		
4	What are Horn clauses? Explain with examples	10		
	(OR)			
5.	Explain Alpha–Beta Pruning	10		
6	List the differences between Propositional vs. First-Order Inference Ankushapur (V), Ghalkesan(M), Merchal Dist 501 301, T.S., INDIA (OR)	10		
7	Explain Knowledge Engineering in First-Order Logic	10		
8	Explain Multi agent Planning	10		
(OR)				
9	Explain Planning and Acting in Nondeterministic Domains	10		
10	Explain the Semantics of Bayesian Networks	10		
(OR)				
11	Explain Supervised Learning	10		