Roll No.....

[2,4,4]

P. T.O.

Total No. of Pages: 2	Roll No
VI TH SEMESTER B.7	Tech.(Computer Engineering)
MID SEMESTER EXAMINAT	
MIN DEMEDIEN EXAMINATION	
GO204 . Al	RTIFICIAL INTELLIGENCE
CO304 ,	
Paper Code	Max. Marks: 25
Time: 1:30 Hours	Tracello Zimon and
Note: Answer all questions.	- data if any
Assume suitable missi	ng data, it any.
Q1. Answer to the point following:	Cul strategy. Is breadth
(i) Describe the characteristics	of the control strategy. Is breadth
first search a control strateg	y figure appropriate the first appropriate and Hill Climbing.
(ii) Compare and contrast Dept	h first search and Hill Climbing. lity of a search procedure. Which
(iii) Define the term admission search procedure is admiss	shle?
search procedure is admissible and search problem solving a	pproach used in Means End Analysis
(iv) Which problem solving a	pprodon does no seemed to
search procedure?	[4x2]
Q2. (i) Why best search is better the	lan hill climbing
	lgorithm for slide back puzzle having
* *	
following moves.	
I. A tile may move to	adjacent cell with unit cost
II. A tile may hope and	other tile with a cost of 4
Initial and goal nodes are d	escribed as:
	•
1 3 2 1 2	3
1 3 2 1 2	3
	revise cost upward of AO*algorithm

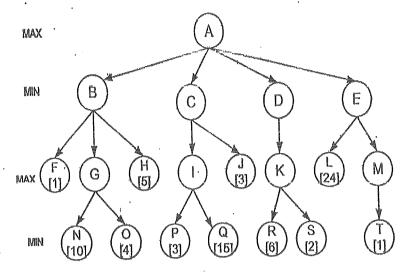
and illustrate the steps using suitable search tree

Q3. For the graph in Fig (1), find the max value at the root node by applying mini max search. Also show alpha beta pruning.

Q4. (i) Represent the sentence in clause form: Any student who is intelligent or hard working gets a good placement

(ii) Given fact: A→ (B ^ C) and A, Use resolution procedure to prove that B is true.

[2,2]



Fig(1)