	(3 Hours)	Total Marks: 80
1) Q.1 is compulsory		E. B.
2) Attempt any <b>three</b> from rema	aining <b>five</b> questions	
·		E RY
Q1) Solve <b>any four</b> of the following		SEET SEET
a) Describe different types of er		[5]
b) What do you mean by Total 7		[5]
<ul><li>c) Explain Utility based Agent v</li><li>d) Formulate the 8 puzzle proble</li></ul>	~ '	[5]
- / / · / / · / / / · / / / · / / / · - / / · - / / / /	of a part picking robot using the PE	
Q2) a) What do you understand by M with example.	In Max Search and alpha beta sear	rch? Explain in detail [10]
	A* search? Is it informed or uninfo	
	ET SHI	[10]
		200
	converting propositional logic stat	
suitable example b) What do you understand by	y forward chaining and backward	[10] chaining Explain in
detail	y forward channing and odekward	[10]
Q4) a) Explain various methods of k	nowledge representation.	[10]
b) What are local search algorith	nms? Explain any one in detail.	[10]
	A SE ST	
Q5) a) What is planning in AI? Disci	uss partial order planning and hiera	robical planning
in detail	uss partial order planning and mera	[10]
	Reinforcement learning. Explain in	
b) what do you understand by I	Conforcement learning. Explain in	detail. [10]
Q6) Write short notes on <b>any two</b>	of the following:	[20]
(0) Write short notes on any two	of the following.	[20]
a) Wumpus World Envir	ronment	
b) Applications of AI		
c) Natural Language Pro	ocessing	
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