Roll No						Total Pages: 03		
BT-7/M-20						37154		
EXPERT SYSTEMS								
				CSE-425	SN			
Time : Three Hours]					[Maxii	[Maximum Marks : 75		
Not		•	•		all, select			
Unit I								
1.	1. (a) Compare hill climbing algorithm and best f						t search	
		techniqu	ies.				7	
	(b)	What i	s Mir	ımax strat	egy for g	ame pla	ying ?	
		Develop	an a	lgorithm fo	or Minmax		8	
2.	2. What is main difference between scripts and fram							
	structures for knowledge representation? Also write their							
	advantages and limitations.							
Unit II								
3.	(a)	Briefly	give	historical	evolution	of an	expert	
		system.					7	

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- (b) Elaborate rule-based architecture of an expert system.

 8

 (a) Explain, how uncertainty is propagated through a chain of rules during consultations with an expert system?

 7
- (b) Identify and describe two good application areas for an expert system with a medical college and hospital environment.8

Unit III

- 5. Discuss the following expert system development phases:
 - (a) Problem Identification
 - (b) Development of prototype
 - (c) Planning a full stage system.

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- 6. (a) Elaborate the major problems faced in knowledge acquisition.
 - (b) How expert system tools help in expert system development ?

Unit IV

- **7.** Discuss the role of the following personals in an expert system development:
 - (a) User
 - (b) Knowledge Engineer
 - (c) System Development personal.

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4.

- **8.** Write notes on the following:
 - (a) Tunning an expert system
 - (b) Verifying an expert system
 - (c) Validating an expert system

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