## M.C.A. Sem - V : SUMMER - 2019

## SUBJECT: ARTIFICIAL INTELLIGENCE AND APPLICATIONS

Day Date	: Friday : 03/05/2019	S-2019-5276 Time: 10.00 Al Max. Marks: 8		
N.B. 1) 2) 3)	Attempt ANY FOUR questions from Section – I and ANY TWO questions from Section – II.  Figures to the RIGHT indicate FULL marks.  Both the sections should be written in SAME : answer books.			
		SECTION – I		
Q.1	What is heuristic example.	search? Explain Best first heuristic search technique using	(12)	
Q.2	State Rules to convert predicate logic statements in clause form.		(12)	
Q.3	Explain Fuzzy logic as a tool for knowledge representation with its applications.			
Q.4	What is learning? Explain genetic algorithm as learning technique.			
Q.5	Draw and explain basic block diagram of expert system.			
Q.6	Explain application of AI techniques to solve vision problems.		(12)	
Q.7	What is knowledge? Explain characteristics and different types of knowledge.		(12)	
		SECTION – II		
Q.8	i) Marcus ii) Marcus iii) All Por iv) Ceasar v) All Roi vi) Everyo	acts in predicate logic s was a man s was a Pompeian mpeians were Romans was a ruler mans were either loyal to ceasar or hate him one is loyal to someone on with resolution Was Marcus loyal to ceasar?	(16)	
Q.9	Write a PROLOG program to find maximum and minimum number amongst the given numbers.		(16	
Q.10	a) Speech	NY TWO of the following.  Inguage Processing  Interest of the following.	(16)	