POKHARA UNIVERSITY

		101	MARKA ONITERIORI.			
P	evel: Ba rogramm Course: A	ne: BE	Semester: Spring nce and Neural Network	Year : 2018 Full Marks: 100 Pass Marks: 45 Time : 3hrs.		
	Candidates are required to give their answers in their own words as far as practicable.					
			indicate full marks.	**		
		all the questions.				
1	ruempi c	in the questions	A .			
a)	What are the challenges for human to make a computer system like human? Explain with few examples.					
b)	What do you mean by a production system in AI? What are the major components of AI production system?					
a)	each agent with their specific properties.				7	
b)	What are the advantages of representing knowledge using Predicate logic over Propositional logic? Explain with examples.				8	
a)	Let us	consider the follo	owing facts:		8	
	i.		Mary loves is a football st	tar.		
	ii.	Any student wl	no does not pass does not j	play.		
	iii.	John is a studen	nt.			
	iv.	Any student wl	no does not study does not	pass.		
	v.	Anyone who de	oes not play is not a footba	all star.		
	se the res	solution to to pro	ve: If John does not study	y, then Mary does not		
b)	With exprocedu	kample explain t are inefficient? H	he mini-max procedure. ow can it be made efficier	Why is the mini-max at? Explain.	7	
a)	Why do we need to reason on uncertainty? What is a Bayesian network? Explain with an example.				7	
b)) What is machine learning? Explain learning by analogy with examples.					
a)						

	b)	Define Artificial Neural Network. Describe the Hopfield network in detail.	7	
	a)	Describe the basic components of an expert system.	8	
	b)	What are the difficulties in NLP? Construct a parse tree for the sentence "Sandeep is playing cricket".	7	
. W		Write short notes on (Any Two):		
	b)	Linear programming Genetic Algorithm Knowledge Elicitation		

5.