## POKHARA UNIVERSITY

		POKHAKA UNIVERSIT		
	D	rel: Bachelor Semester. Spring	Year: 2019 Full Marks: 100 Pass Marks: 45 Time: 3hrs.	
•		andidates are required to give their answers in their	r own words as far	
as practicable.				
	Th	the figures in the margin indicate full marks.		
	A	tempt all the questions.		
1.	a)	How can forward and backward reasoning assist in	reasoning?	7
	b)	Support with appropriate example.  What is turing test? Express your views on "can what is turing test?" Why or why not	ve make a computer	8
	,	exactly like human". Why or why not.  In how many ways knowledge can be represented.	? Describe	8
2.	<ul><li>a)</li><li>b)</li></ul>	knowledge representation based on Network scheme. What do you mean by state-space representation of a problem, explain		
	0,	with example		7
3.	a)	Convert the following sentences into FOPL senter i. Bryan eats mushroom and is still alive. ii. Elly is not married. iii. Joy is married to Saleh. iv. Billy is Elly's brother. v. All the courses in the engineering are hard. vi. CMP911 is a computer course.		
		vii. Dummy is not fat.  Define machine learning. Explain Genetic algorit	thm with a flowchart.	8
4.	b) a)	What are different types of Feed-forward network	k? Support strength	7
	b)	and weakness of its various types.  Explain how a neural network can be trained using		8
5.	a)	algorithm.  Differentiate between procedural and declara	tive knowledge with	7
	b)	tot the state of the state of	different compositions	8
6	. a)	with its architecture.  How can you make a system capable of comlanguage? What challenges might you encounte	nmunication in Nepali r?	. 7

b) Describe Natural Language Processing? Write about different levels of Analysis in NLP. 2×5 Write short notes on: (Any two) Linear programming Bayesian Networks Hopfield network