## **POKHARA UNIVERSITY**

		Level: Bachelor Semester Programme:BE Course: Artificial Intelligence and N		Year : 2020 Full Marks: 100 Pass Marks: 45 Time : 3hrs.	
		Candidates are required to give the as practicable.	ir answers in the	ir own words as far	
		The figures in the margin indicate for	ull marks.		
		Attempt all the questions.			
1.	a)	What do you mean by Artificial In Why and how did AI boom in 21st		ribe AI Winter.	8
	b)	Differentiate between Linear and a production rule system with a example.		ng. Explain	7
2.	a)	What do you mean by knowled important? Explain frames and knowledge representation with example 1.	semantic netwo	n in AI? Why it is	7
	b)	What do you mean by Skolemniz steps in Predicate Logic. Also co not killed by is Food" to FOL and	nvert "Anything		8
3.	a)	Briefly distinguish between Antece What do you understand by Constrand an example.			7
	b)	What is Heuristic Search Technique Search and A* Search with an appropriate the search with a			8
4.	a)	What is Supervised and Unsu Confusion Matrix is a significant f			7
	b)	What do you mean by Genetic Algand associated operations.			8
5.	a) -	Why knowledge elicitation is important various types of knowledge elicitation. Intelligence?			8
	<b>b</b> )	What is Neural Network? Explain		ack-Propagation	7

5.		What do you mean by Expert system? Explain the architecture of an expert system with its block diagram.	
		Describe Natural Language Processing. Write about different levels of	

2×5

Analysis in NLP.

Write short notes on: (Any two)

State Space tree a)

b) Min-max algorithm

Procedural and declarative knowledge