Tr. Menekshi Sasa

## JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT MAKE UP EXAMINATION- April 2018

	D.T April 2018		-
COLDON	B.Tech VIII Semester		
COURSE CODE: 13B1WEC831	VIII Semester		
COURSE NAME: SOFT COST			
COURSE NAME: SOFT COMPUT	ING TECHNICA	MAN	
	TECHNIQUES	MAX. MARI	KS:25
Note: All question			
treated as are compulsory	Com	MAX. TIME:	1.20 **
Note: All questions are compulsory treated as case of unfair means.  Q1 Critically compare and contrast E Neumann computers.	. Carrying of mobile phone		1:30 Hr
Q1 Critically compare and contrast B Neumann computers.	phone during	g examinations	77 7
Neumann computers.	Biological normal	14110713	will be
1	Broat Heural networks (BNNs) to co	Ony	
	- 10) 10 ((	onventional Von	
<ul><li>Q2. a) Distinguish between Supervis</li><li>b) Windrow-Hoff learning rule and</li></ul>			[4]
b) Distinguish between Supervision	•		[7]
Windrow-Hoff learning 1	ed and Unsupervised I		
b) Windrow-Hoff learning rule and	Delta learning mile		_
	S rate	• •	[3+3]
Q3. What are the L.			**
are the basic learning laws? Fyn	loin a		
O4 + 0 **	tain the weight updation rules:		*
Q3. What are the basic learning laws? Exp. Q4. A fully connected feed forward networks and the other with 3 neurons, and graph of this network.	r and rules in each le	earning law	F 42
neurons and the other with a	Ork has 10 a	8	[4]
graph of this network.	la single source nodes, 2 hidden l	O	•
neurons and the other with 3 neurons, and graph of this network.	a single output neuron. Construct	ayers, one with	4
	Construct a	in architectural	
05 ~			E 45
V5. Consider a simple personal	Maria de la companya		[4]
Set of input training	four inner		
Q5. Consider a simple perceptron model with Set of input training vectors are $x1 = \begin{bmatrix} 1 & -2 & 0 & -1 \end{bmatrix}$ Illustrate percentron less.	The initial weight was		
These input vectors are	, x2=[0 1.5 -0.5 -1] <sup>T</sup> and y2-5-	or be $[1 -1 0.5 0]^7$	
Set of input training vectors are x1=[1 -2 0 -1] responses for these input vectors are -1, -1, and Illustrate perceptron learning process.	I respectively The	5 -11 Desired	•
process.	The activation function	) is sion(-)	
		. in sign(X).	
Q6. Elaborate two die			[5]
Q6. Elaborate two defuzzification methods.			· · J
		F	••
	•	Į.	2]