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Roll No		Total Pages : 2	4.	(a)	Full Counter Propagation Neural net is more efficient than forward only counter propagation neural net.
	BT-8/D-17	38001			Justify. 10
NEURAL NETV P	Y LOGIC		(b)	State the training and application algorithm used for forward only counter propagation neural net. 10	
(		UNIT-III			
			5.	(a)	Differentiate between continuous BAM and discrete
Time : Three Hours]		ximum Marks : 100	7		BAM. 10
Note: Attempt five quest from each Unit.	at least <i>one</i> question		(b)	How is the energy function defined for a BAM net?  What are the activations used in a BAM network? 10	
UNIT-I			6.	(a)	What are the two forms of ART network? Explain in detail. http://www.kuonline.in 10
1. (a) What are the ba	sic building blocks of	f an artificial neural		(b)	
network?		10		(0)	detail computational and Supplemental units. 10
(b) What is the sign	nificance of activation	n function in neural			Tompitational and Supplemental Series
network? Also tell about the importance of bias. 10					UNIT-IV
2. (a) Explain the arc pattern classific	chitecture of the percentation.	eptron net used for	7.	(a) (b)	Explain the structure and training procedure of the cognitrons.  15 What are the advantages of optical neural networks?  5
(b) Briefly discuss of	cuss on the learning rule of a perceptron network.			(-)	
Explain the algo	orithm used for training	g the perceptron net	( <sup>R</sup> ,	(a)	What are the types of optical neural networks? How are electro-optical matrix multipliers used to achieve more speed of operation?
UNIT-II				(b)	
	or back propagated in			, -	10
	tion used in a back pr				
(b) Why sigmoidal	l activations are used	d in BPN ? 10			······································
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