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Class–M.Sc (IT)-IV Sem. Subject –Neural Networks

Time A	Allowed : 3 Hours Maximum Marks :100
Note:	Attempt any five questions.
1. (a)	Explain Architecture of Neural Network. 10
(b)	What are different types of learning techniques
	used in NN? 10
2. (a)	
	SECTON-A
(b)	What are the various activation functions used in
	ANN ?
3. D	escribe ART-1 in detail. 20
4. (a)	Explain LMS in details. 10
(b)	How can single layer perceptron be trained to
	simulate OR, AND gate? 10
5. H	ow perceptron learning is poorly behaved? Explain
p	ocket algorithm with and without ratches. 20
6. H	ow Hopfield model will be helpful in Neural Network
w	ith example? 20
7. (a	a) Write short note on Art2. 10
(b) Write about K-mean clustering. 10
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- 8. Explain following :
 - (a) Topology Preserving maps
 - (b) Outer Product Rule

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