20		
Con C	B. Tech CSE-AI&ML 5th Semester (G-Schem	e) .
		16)
er	NEURAL NETWORKS FUNDAMENTALS	•
7.5	Panar PCC AT 2016	
74.	Paper-PCC-AI-301G  le allowed: 3 hours   [Maximum mark	d)
Lim	e allowed: 3 hours] [Maximum mari	ks: 75
Not	te: Attempt five questions selecting one question	from
is.	tand Question No.1 is compulsory	//
1.bn	(a) What is activation function? Explain. (b) How Hebbian learning rule works? Explain.	A
15	(b) Sessory quiris LINA of many explain.	2.5
·	(b) How Hebbian learning rule works? Explain.	2.5
1.5	what do you mean by wich model? Explain.	2.5
,	(d) What is Self-Organizing Map? Explain!	B) 2.5
	(e) How Correction learning rule works? Explai	n. 2.5
1,	what is the difference between Hebb rule	e and
	Competitive learningslunt toubord ratuo	2.5
	Unitimu	
2		Lone &
ate • 2	6(a) 22 What is activation function? Explain the mod	
15	Artificial Neural Networks. Explain the model of the second secon	10
	(b) Explain the difference between Feed for	(Nard
	nelwork and Heed hoolground	) 05
<b>3.</b>	Explain ANN Architecture its read	1) 00
15	Explain ANN Architecture, its various nety topologies and learning strategies in detail.	work e
,	a) Storage capacity TT 4:	15
	OUIT-II	
4.	What MCP model? Explain its architecture and solution of AND OR functions is a second solution.	1)
	of AND, OR function using MCP model.	ition
		13.

5.	(a)	What do you mean by discrete perceptron? E the use of discrete perception in single perceptron model.	-
_	(b)·	Explain the linearly separable classificaitio	n. 7.5
		Unit-III	
6.	Adap	t is supervised and unsupervised learning? Workive Resonance Theory? What is ART Taseture? Explain the ART Learning Process?	
7.	Writ	e a short note on following:	15
	(a)	Reinforcement learning	
	(b)	Habbian learning	
	(c)	Competitive learning	
		Unit-IV	
8.		lain the following concept related to Asso	ciate
	Men	nory:	15
	(a)	Auto associative	
	(b)	Hetro-associative	
9.	Writ	e a short note on following:	15
	(a)	Storage capacity	
	(h)	Didination	