

2	Attempt the following:						
	(a)	Ansv	ver the following short questions : (All Compulsory)	4			
		(1)	is a process of solving new problems based on the solution of similar past problem.				
		(2)	During which stage, the content of working memory is compared to facts and rules contained in the knowledge base?				
		(3)	To diagnose faults in physical activities, such as electronic circuit or electronic motors, it is necessary to the behaviour.				
		(4)	The backpropagation learning algorithm can be divided into two phases and				
	(b)	Ansv	ver any <b>one</b> of the following questions:	2			
		(1)	Probability				
		(2)	Hyponym				
	(c)	Answer any <b>one</b> of the following questions:					
		(1)	Explain types of learning.				
		(2)	Write any few advantages of searching algorithms.				
	(d)	Ansv	ver any <b>one</b> of the following questions:	5			
		(1)	Explain decision tree algorithm with example.				
		(2)	Write a short note: Unsupervised learning.				
3	Atte	Attempt the following:					
	(a)	Ansv	ver the following short questions : (All Compulsory)	4			
		(1)	Instance-based learning is a kind of				
		(2)	What is another name of quick sort?				
		(3)	Which theory is most deeply explored in human cognitive science?				
		(4)	Knowledge is acquired through				

	(b)	Answer any <b>one</b> of the following questions:				
		(1)	Define Bias			
		(2)	Define Graph			
	(c)	(c) Answer any <b>one</b> of the following questions:				
		(1)	Differentiate supervised learning V/s unsupervised learning.			
		(2)	Differentiate binary search V/s linear search.			
	(d)	(d) Answer any <b>one</b> of the following questions:				
		(1)	Explain decision tree with example.			
		(2)	Explain back propagation algorithm.			
4	Atte	mpt	the following:	14		
	(a)	Ans	wer the following short questions : (All Compulsory)	4		
		(1)	The notion of version spaces was introduced by in the early 1980s.			
		(2)	Rule induction methods work in manner.			
		(3)	A in concept learning or induction is the subset of all the hypothesis that are consistent with the observed training examples.			
		(4)	Which paradigm is used for decision rule algorithm?			
	(b)	Ans	wer any <b>one</b> of the following questions:	2		
		(1)	Concept Learning			
		(2)	Machine Learning			
	(c)	Ans	wer any <b>one</b> of the following questions:	3		
		(1)	List out some applications of neural networks.			
		(2)	Explain undirected graph.			
	(d)	Ans	wer any <b>one</b> of the following questions:	5		
		(1)	Explain Inductive bias.			
		(2)	Write a short note on Kruskal's algorithm.			
HDP-1603220001030200 ] 3 [ Contd						

5	Atte	mpt 1	the following:	14
	(a)	Ansv	wer the following short questions: (All Compulsory)	4
		(1)	Which is an important application of neural networks?	
		(2)	To diagnose faults in physical activities, such as electronic circuit or electronic motors, it is necessary to the behaviour.	
		(3)	The example of drunken person (staggering person) is of which inference?	
		(4)	CBR is prominent kind of making.	
	(b)	Ansv	wer any <b>one</b> of the following questions:	2
		(1)	Define Big 'O' notation	
		(2)	Define version space	
	(c)	Ansv	wer any <b>one</b> of the following questions:	3
		(1)	What are the applications of version space algorithm?	
		(2)	Explain different types of learning.	
	(d)	Ansv	wer any <b>one</b> of the following questions:	5
		(1)	Write a short note on Hopfield network.	
		(2)	Explain naive Bayes classifiers.	