SHRI SHANKARACHARYA TECHNICAL CAMPUS

Bhitel (Chiadtagam)

An Autonomous Institute

Approved by AUCTE, Here Dolhi Affiliated to DSY Technical University, Brilei



श्री शंकराचार्<mark>च टेक्लीकत कें</mark>ग्रपस

स्वशासी संस्थान

All II Took Courses" Accredited by N.R.A., Nove Delhi Account had by MAAC with "A" Breds

HIRF Residing 2003 & 2001 (Band 261-300) Bank MSS Unit (Habboeld Level) au IBO 8001 201 E Carbital Institution

Session: EVEN SEM (2022-23)

Class Test - 2	Course Name: B Tech CSE-A, CSE-DS	Semester: 6 th
Time: 2 Hours	Subject Name: AIML	Min Marks: 14
	Subject Code:CS102603	Max Marks: 40

Cour	se Oı	itcome:								
CO1		Understand a wide variety of learning algorithms.								
CO2		Understand h	ow to evaluate	models generated from data						
Q.	No.		Questions		Marks	СО	B L	PI		
1	a	THE RESERVE THE PROPERTY OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COL		x made for a classifier that classifies ey speak English or Spanish. Spanish Speaker 12	4	COI	L2	1.3.1		
1	ь	initially, after	r the first split node gets 3	ppose a feature has 8 "yes" and 4 "no' it the left node gets 5 'yes' and 2 'no 'yes' and 2 'no 'Feature 1	8	CO2	L2	1.3.1		

	c	What is Support Vector Machine explain its algorithm. Explain KNN algorithm with example.	8	CO3	L2	1.3.1
+	-	Explain Naive Bayes Algorithm				2.1.2
		Weather Play Weather Play				
	d	Weather Play				
		Sunny No Curroy Ves C		CO3		
		Overcast 165 Outroy Ves			LI	
		Rainy Tes Kunny No	8		DI	
1		Sunny Yes Owercast Yes				
		Sunny Yes Overcast Ves				
		Overcast Yes . Overcast No.	-			
		Rainy No Rainy No Players will play if the weather is sunny. Is this statement correct?				212
2		Explain briefly about partitioning clustering with example?	4	CO2	L3	2.1.3
2		Define Density based model clustering. Solve the given values and fire number of cluster, boundary points, noise points and core points when value of 6<1.5, Minimum points=3, vales as follows: Standard Points 3 Pris C B C D E F A O O 7 5 7 3 6 4 2 3 2 B O 7 O 4 9 2 9 2 5 2 5 C 5 7 4 9 O 2 2 1 4 2 5 D S 7 4 9 O 1 1 0 5	8	CO4	L2	1.3.1
2		Explain Hierarchical Clustering with its types. Find the cluster us complete link technique. Use Euclidean distance & draw dendrogram. P 1	ing the	COS	5 L2	1.3.1
		Explain Markov Model and Hidden Markov Model with example.	. 8	СО	2 L	3 2.1.