Total No. of Questions: 8]		of Questions : 8]	90	SEAT No. :	
P-3	151			[Total No. of Pa	ages: 2
[6003] 563					
T.E. (Honours in Artificial Intelligence and Machine Learning)					
COMPUTATIONAL STATISTICS					
(2019 Pattern) (Semester - I) (310301)					
					ks : 70
Instructions to the condidates:				L	
	<i>1</i>)	Answer Q.1 or Q.2, Q.3 or Q.4,	Q5 or Q6, Q7 or 9	<i>Q8</i> .	
	2) Neat diagrams must be drawn wherever necessary.				
	<i>3</i>)	Figures to the right side indica	•		
	<i>4</i>)	Assume Suitable data, if necess	sary.		
0.71	`				D 11
QI)	1) a) Consider the Confusion Matrix given below. Calculate Accuracy,				
		and Precision.		3	[9]
	1	Predicted class	CAT	Not CAT]
		Actual class	3		
		CAT	150	10	
		Not CAT	20	100	-
	b) State and explain in depth the typical analysis procedure used in state analysis.				- tistical
					[9]
	OR				
Q2)	Q2) a) What is T state? When to use T test? Describe different ty)
		detail.		7 3	[10]
b) What is Sensitivity? Explain Types of Statistical Tests in				al Tests in depth.	[8]
				3	
<i>Q3</i>)	a)	What are different feature scaling techniques? Explain Normalization and			
23)	u)	Standardization in depth. [9]			
			1/02		
	b) Differentiate between bias and variance				[4]
	c)	Elaborate the K fold validation method in depth.			[4]

OP

