Name:				
Enrolm	Enrolment No:			
	UNIVERSITY OF PETRO	LEUM AND ENERGY STUDIES		
		mination, December 2019		
	: Predictive Modeling m: MTECH Computer Science	Semester: I		
-		03 hrs.		
Course		Max. Marks:	100	
S. No.	524		Marks	CO
Q 1	What are the applications of predictive modeling		4	C01
Q 2	How to handle missing values?		4	CO2
Q 3	How to treat outliers?		4	CO2
Q 4	What is p-value and how it is used for variable set	election?	4	CO4
Q 5	Difference between Linear and Multiple Regress	ion with suitable example.	4	C01
	SE	CTION B		
Q 6	How would you suggest to a franchise where to a	open a new store?	0	C05
Q 7	Justify: Why might it be preferable to include fe	-	8	CO5
Υ,	Justify. Why high it be preferable to menuae re	wer predictors over many.	8	CO[2- 3]
Q 8	Height and weight are well known to be positive variables have been standardized), which of the re- to be a plot showing the values of height (Var1 –	two scatter plots (plot1, plot2) is more likely	8	CO3
Q 9	Define: F, significance F, t Stat, P-value		8	CO5
Q 10	Attempt any one		8	

City	Population	Median age				
Chicago	2.833	31.5				
Dallas	1.233	30.5				
Houston	2.144	30.9				
Los Angeles	3.849	31.6				
New York	8.214	34.2				CO[1
Philadelphia	1.448	34.2				4]
c) A regr	ession analysis was perfo	mad and the regulti	na rearranian ea	notion is N	Indian	
age = 1 List and discus interpret all of	31.4 + 0.272 population. 1 as all the steps in developing the relevant statistics along	nterpret the meanin OR ng a multivariate re	g of the slope. (2 gression model a	4) and how to		
age = 1	31.4 + 0.272 population. ] s all the steps in developi	nterpret the meanin OR ng a multivariate re	g of the slope. (2 gression model a	4) and how to		
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(a)+0.19X	ı equati	ion is:	Y=									
Predictor					C	oef		SE	Coeff	Т	Р	
Constant					(a	.)		0.43	3309	0.688	(b)	
Х					0.	1891	7	0.06	65729	(c)	(d)	
S=0.67580					R	-sq=3	61.0%					
The number of a states are:	murdeı	rs and	robbeı	ries pe	r 100	,000	popula	ation for	or a rand	lom selec	tion of	20
	murder 2.4	rs and 2.7	robbei 3.6	ries pe 2.6		,000		ation for 3.7	or a rand	lom selec	tion of	20
tates are: Murders (X)	2.4	2.7	3.6	2.6					r a ranc	lom selec	tion of	20
Murders (X) Robberies(Y)	2.4 25.3	2.7 34.3	3.6 71.6	2.6 51.1	2.1	3.3	7.6	3.7	r a ranc	lom selec	tion of	20
Murders (X) Robberies(Y) ) Create a scatt	2.4 25.3 ter plot	2.7 34.3 t of the	3.6 71.6 data.	2.6 51.1 (4)	2.1 30	3.3 49	7.6 173	3.7	r a ranc	lom selec	tion of	20
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Murders (X) Robberies(Y)	2.4 25.3	2.7 34.3	3.6 71.6	2.6 51.1	2.1	3.3	7.6	3.7	r a ranc	lom selec	tion of	