Total No. of	Questions	:	4]
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SEAT No.	:	

[Total No. of Pages: 1

[6188]-290 B.E. (A. J. D. S.) (Insem.) MACHINE LEARNING

(2019 Pattern) (Semester - VII) (417521)

	(2019 Pattern) (Semester - VII) (417521)	
Time: 1	Hour] [Max. Marks .	: 30
Instructio	ons to the candidates:	
1)	Answers Q.1 or Q.2, Q.3 or Q.4.	
2)	Make suitable diagram wherever necessary.	
3)	Answers Q.1 or Q.2, Q.3 or Q.4. Make suitable diagram wherever necessary. Figure to the right indicate full marks. Assume suitable data if necessary.	
4)	Assume suitable data if necessary.	
Q1) a)	Compare Machine Learning with Traditional, programming.	[5]
b)	What is Dimensionality Reduction, Explain any one Dimensiona	lity
	Reduction technique.	[6]
c)	Write a note on Reinforcement Learning.	[4]
	OR	
Q2) a)	Explain parametric & nonparametric models in machine learning.	[5]
b)	Differentiate supervised and unsupervised learning techniques.	[5]
c)	Elaborate grouping and grading models.	[5]
Q3) a)	Elaborate random forest regression.	[5]
b)	Differentiate multivariate regression and univariate regression.	[4]
c)	Define Regression. Explain types of regression.	[6]
,	OR	
Q4) a)	What is underfitting and overfitting in machine Learning explain	the
2 / 4/	techniques to reduce overfitting?	[5]
b)	Explain any two Evaluation Metrics for regression.	[5]
c)	Explain Elastic Net regression in Machine Learning.	[5]
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