

(DEEMED TO BE UNIVERSITY)
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Continuous Assessment Exam II (March 2021)

Program : B.E(CSE)/B.TECH(IT) Max. Marks : 30

Course : R Programming Time : 1 Hour

Course code: SCS1621 Semester: VI

Batch : 2018-2022 Date : 08-5-2021

Part-A Answer ALL the questions $(5\times2=10)$

Q.No	Questions	CO(L)
1.	Give the R expression to get 26 heads from a 51 tosses of a coin	3(3)
	using binomial probability.	
2.	a) True-False: Is Logistic regression a supervised machine learning	3(3)
	algorithm.	
	b) What is the function used to implement logistic Regression?	
3.	X is the vector c(5,9.2,3,8.51,NA), What is the output of	3(3)
	mean(x)?Justify your answer	3(3)
4.	Differentiate supervised and unsupervised learning.	4(4)
	Differentiate supervised and unsupervised fearthing.	4(4)
5.	How do you plot clustering output in R?	4(1)
٥.	Trow do you prot clustering output in K.	7(1)

Part-B Answer ALL the questions $(2\times10=20)$

Q.No	Questions	CO(L)
6.	1. a)Explain Linear regression. b) Heights(in cm) of father and son are given as follows Father(X) 150 152 155 157 160 161 164 165 Son (Y) 154 156 158 159 160 162 161 164 Fit a regression line predict the height of son given the height of father in R.	3(6)

(OR)

1	Explain in detail implementation of ARIMA model in R Programming.	3(4)
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Explain Decision Tree. Construct the Decision Tree model for any data set and also check the prediction accuracy of constructed model.	4(4)
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(OR)

	Explain Association Rule Mining. Generate Association Rules	
9.	with support =0.003 and confidence=0.4 for Market Basket	4(4)
	Analysis data in R.	