R16

SET - 1

II B. Tech I Semester Supplementary Examinations, October/November - 2020
STATISTICS WITH R PROGRAMMING
(Com to CSE & IT)

Time: 3 hours　　　　　　　　　　　　　　　　　　　　　　　　　　Max. Marks: 70

Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B**)
2. Answer **ALL** the question in **Part-A**
3. Answer any **FOUR** Questions from **Part-B**
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PART –A

1.	a)	What is batch mode?	(2M)
	b)	Give an example for lapply ( ) function.	(2M)
	c)	Give an example foe cumulative sums and products.	(2M)
	d)	Explain about the points ( ) function.	(3M)
	e)	Define poisson distribution.	(2M)
	f)	What are multiple regressions?	(3M)

PART –B

2.	a)	What is a list? Explain the concept of lists in R with examples.	(7M)
	b)	Explain R sessions in detail.	(7M)
3.	a)	Explain binary search tree implementation using R.	(10M)
	b)	Explain looping over nonvector sets with example.	(7M)
4.	a)	Explain with an example for calculating probability using the prod( ) function.	(7M)
	b)	Develop a function to find the sum of the contents (assumed numeric) in all files in a directory tree.	(7M)
5.	a)	Explain pinpointing locations and restoring a plot.	(7M)
	b)	What are graphing explicit functions? Explain with example.	(7M)
6.		Explain in detail T-Tests and ANOVA.	(14M)
7.		Explain the following: a) Logistic regression b) Decision trees	(7+7M)

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