SCHOOL OF ADVANCED SCIENCES

SUMMER SPECIAL SEMESTER 2020

Course:MAT2001-Statistics for engineers

Experiment-5 and 6

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1. Five Measurements of the output of two units have given the following results (in kilograms of material per one hour of operation) .Assume that both samples have been obtained from normal populations, Using R test at 10% significance level if two populations have the same variance

UNIT A	14.1	10.1	14.7	13.7	14.0
UNIT B	14.0	14.5	13.7	12.7	14.1

2.The below table gives the distribution of students according to the family type and anxiety level, using Chi-square test examine whether the anxiety level is independent of family type

Family type	Anxiety level		
	Low	Normal	High
Joint Family	35	42	61
Nuclear Family	48	51	68