



SNS COLLEGE OF ENGINEERING

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AN AUTONOMOUS INSTITUTION



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Topic: 2.4- Tutorial 1

1. There are three main brands of a certain powder. A set of 120 sample values is examined and found to be allocated among four groups (A, B, C and D) and three brands (I, II, III) as shown here under:

Brands	Groups			
	A	B	C	D
I	0	4	8	15
II	5	8	13	6
III	8	19	11	13

2. A random sample is selected from each of three makes of ropes and their breaking strength (in pounds) are measured with the following results.

I	70	72	75	80	83		
II	100	110	108	112	113	120	107
III	60	65	57	84	87	73	

Test whether the breaking strength of the ropes differs significantly.