

Question

A. Three factors Type of Raw Material, Feed Rate and Depth of Cut are considered to study their effect on MRR of turning operation. These are varied at two levels each. The MRR data thus collected is tabulated below. Carry out three-way ANOVA for the main factors and two second order interactions A X B and A X C. (12)

Type of Raw Material (A)	Feed Rate (B)			
	2 mm/min		4 mm/min	
	Depth of Cut (C)		Depth of Cut (C)	
	1 mm	3 mm	1 mm	3 mm
C. I.	6, 8	25, 22	10, 13	34, 28
Aluminum	10, 16	36, 44	12, 9	18, 12