

Ans: $R_{+23} = \int (\pi_{12})^2 + (\pi_{13})^2 - 2\pi_{12}\pi_{13}\pi_{23}$ & so on. = 0.99Ans X, X, X3 are three variates measured from their means with $N=10, \leq x_1^2=90, \leq x_2^2=160, \leq x_3^2=40, \leq x_1, x_2=60$ Ex x3=60, 5 x3 V, = 40. doladate the multiple correlation coefficient K1.25. An: - R= wouldton By Karl Pearson; -- 450 on for R13, R23 Partial Correlations A12.3 = 91,2 - 91,3 H23 $\int 1 - (\pi_{13})^2 \int 1 - (\pi_{23})^2$ Same for other The condition and sugression between only two variables diministing the effect of other variable is called partial correlation a partial sugression Egr of plane of regression of x on x, and x, X1 = at b12.3 X2 + b13.2 x3

