CFE 2021				
Calculate the Cross elasticity of Demand O calculate the Cross elasticity of Demand Monthly Demand of Mrs Disha Naik fousehould Jan 2021 May 2021				
Monthly 1) emo	Jan 202	1 Burntim	May 20.	Duenty 5
Tea	Frice 30	-50	30	60
Coffee	40.	30	50	20
Jan 2021 Tea Price - 720 Quantity - 750 Quantity - 750				
Percentage Price change $= \Delta P/P = \frac{\Delta P}{(P_1 + P_2/100)} \times 100$				
$=\frac{10}{(30+40)/2}=\frac{10}{35}$				
= .28 1.				
Percentage Quantity Crange _ DQ/B= _ DQ X100				
$= \frac{70}{(\alpha_1 + \alpha_2)/2}$				
$= \frac{20}{(50+3.0)/2} \times 100$				
$=\frac{961}{462}$ $\times 100$ $\times 50$ $\times 100$				

Peremage Quantity Cherry ED= Elasticity of Person Jemand = 50 = 1.787 Percentage Price Chang May 2021 Tea Price ->30 Quantity 60 Coffee Price -> 50 Quantity -> 20 Percentage Price change -> DP = 20 P = (30+50)/2 = 507. Percentage anantity $= \frac{2Q}{Q} = \frac{40}{(60+20)/2} \times 100$ = 40 ×100 Glasticity of = 100%. Demand

36) A Tota firm increases its advertisements expen grom 25000 to RS 35,000 with Increased Sall from 10,000 anists +0 12000 uns fondstu Advertisement Elasticits of Demone . Rice - 25000 35000 auantity 10,000 12,000 Perantage Price Charge = DP = 10,000 x 100 (25000+35000)/2 33.33.1. Bercentage change in Quity _ 10 = 2000 Q (10000+12000)/2 = 200 p x 100 - 18.181. 46/0 ED = Elasticity of Demund DF/P = 0.54

Case A Price = 30 & Quantity = 240 = 110 & acienter 66 Percentage price change = 2P/P = 20/100 = 204 Percentage Quantity -> DQ/Q = = 160-240 _80 Price classicity 2 ED = 40/20 = 2 $\frac{(Q_1+Q_2)/2}{(Q_1+Q_2)/2}$ $Q = \frac{160 + 240}{2} = 200$ $P = \frac{(90+100)}{2} = 100$