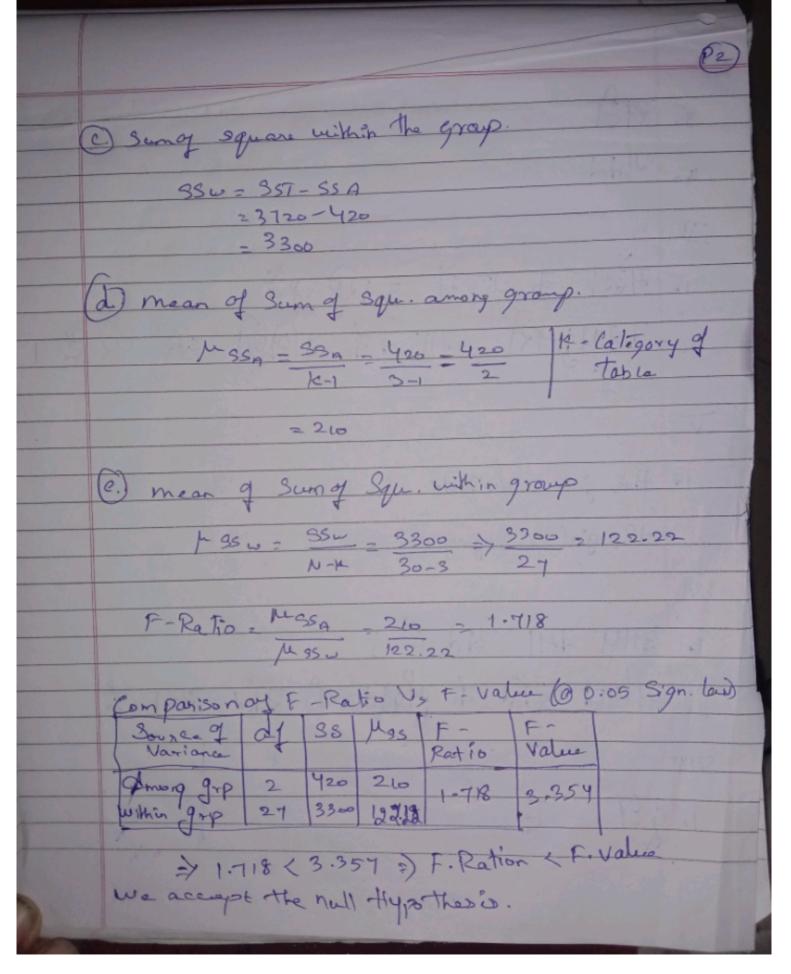
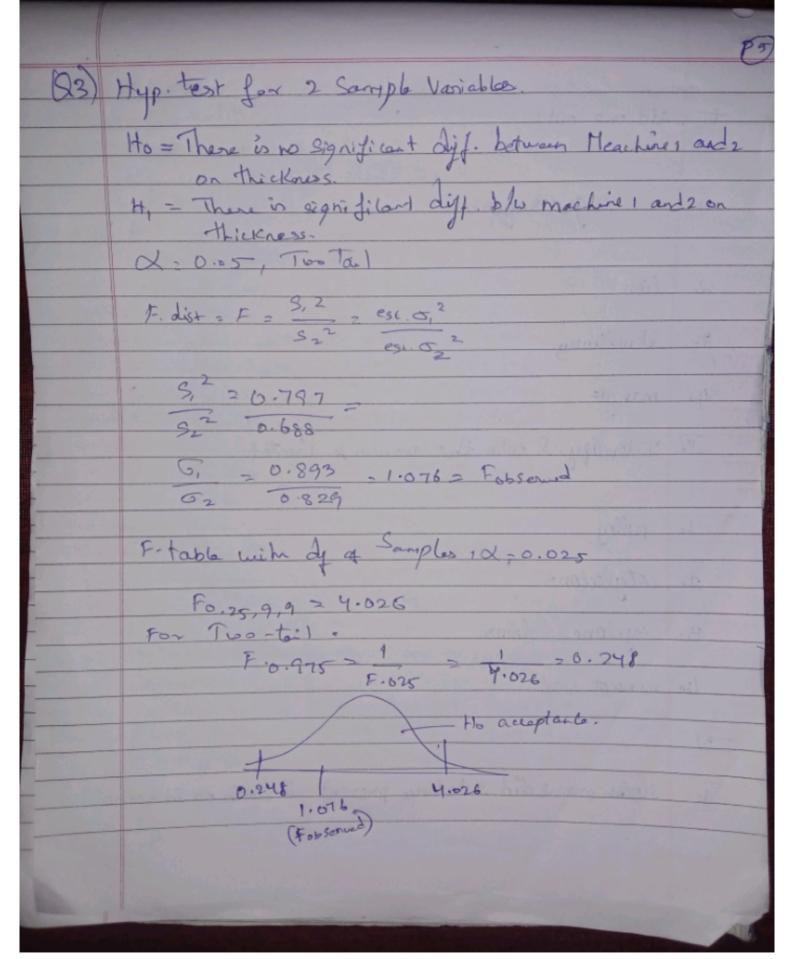
	(P)
18/04/202	SINTISTICS EXAM
Q,	Avour - Analysis of Var.
	EV, = 500, 5U2=530, 2U3=440, n=30 ZU2=26742, EU,2=28586, ZV3=20422
	Connection term! Cx= 2(2)2 = (500+530+440)2 = (1470)2
	=> 2160900 = 72030
	a. Sum of Squares total - SST
	357 = 2x2 - (26742 + 28586 + 20422) - 72036
	2) 75750-72030 35T 2) 3720
	b. Sun of Japaner among grap - SSA
	$35n = \left(\frac{52^2}{n}\right) - C_{20} = \left(\frac{560^2 + 536^2 + 446^2}{10}\right) - \frac{72030}{10}$
	= $250000 + 280900 + 193600 - 72030$
	=> (25000 + 28096+ 19360) - 72030 => 72450-72030
	SSA=)420



	P
012)	Determining Arova with Stock MARKET Example.
	Financial (x), Energy (4), Utitities (2)
	22 = 92.68, $34 = 110.77$, $22 = 71.3$, $n = 2422 = 1257.48, 34^{2} = 1699.56, 22^{2} = 779.13$
	Consection term: (22 2 (2)2 = \beta 2.6 + 110.77 + 71.3)
	24
	= (3-14.75) = 75487.56 = 3145.31 24 24
	Bun of squ. total = SST = 522 - Cx
30	> (1251.46 + 1699.56 +779.13) - 3145.31
	= 3736.18-2145.31 35- = 590.85
Allen	Sun of Squ. avorg grap - SSA = (322)
	= (92.68 ² +110.77 ² +71.3 ²)-3145-31
	= (8589.58 + 12269.99 + 5083.69) -3145.31
	0
	= 337.89+54.294 211-182-3145-31
	= -20dy. 75

= (1073.69)+1533.74+635.46) - 3145.3 3242.90-3145.31 Sum of Square within the group'-MSum of Squ. among group - = SSA K-1 M.35A = 97.59 797.59 48.79. Mean of Sum of Sque. within group. M35W= SSW - 493.26 - 493.26 - 23.48 F-Ratio= MSSA/MSSN= 48-79/23.48 = 2.077 Compare:
Saurce of of M98 \$55 \$. Pation F. Value (0.05)
Among grap 2 48.79 97.59 2.077 3.466
Within grap 21 23.48 493.26 F. Ratio & F. value. Do there is a difference in rate of get won on of Industrie



Since Fobseaved in falling under Critical Region between meashine I and meashine 2. Ho in accepted. Q4. t- dist and C. T for Can Spend tj= x + + x S/on , + = x-h Sample en 25.55/3.16 3 x 2 100.83 -=> /2 100 => t = 100.83 - 100 | 5/1-1-75 5.55 (3.16) 3 25.55 2 0.83 0.0472 17.57 magin of ton 0.083 tdis- - 100.83 +0.083 < pe 100.83 - 0.883 2 100.913 < M < 100.747 So the interval of the true mean will fact under above Britissi Confidence Interval.

Os) T-test of book Sales. Ho = There is no Squigitant diff. in book Sales often book enhancement. Ha-There is Significant diff. is book sales after book enhancement 7-tex = x-4 => 1-105, x-125, 3=14, n=25 2 125-105 20 -7.142 14/525 2.8 to.05,24=1-711 - Ho a coopta Since the Value of 7.142 fails in Nejection area the it is highly likely that moon Sale is greater and the book enhancement is possibly a success

