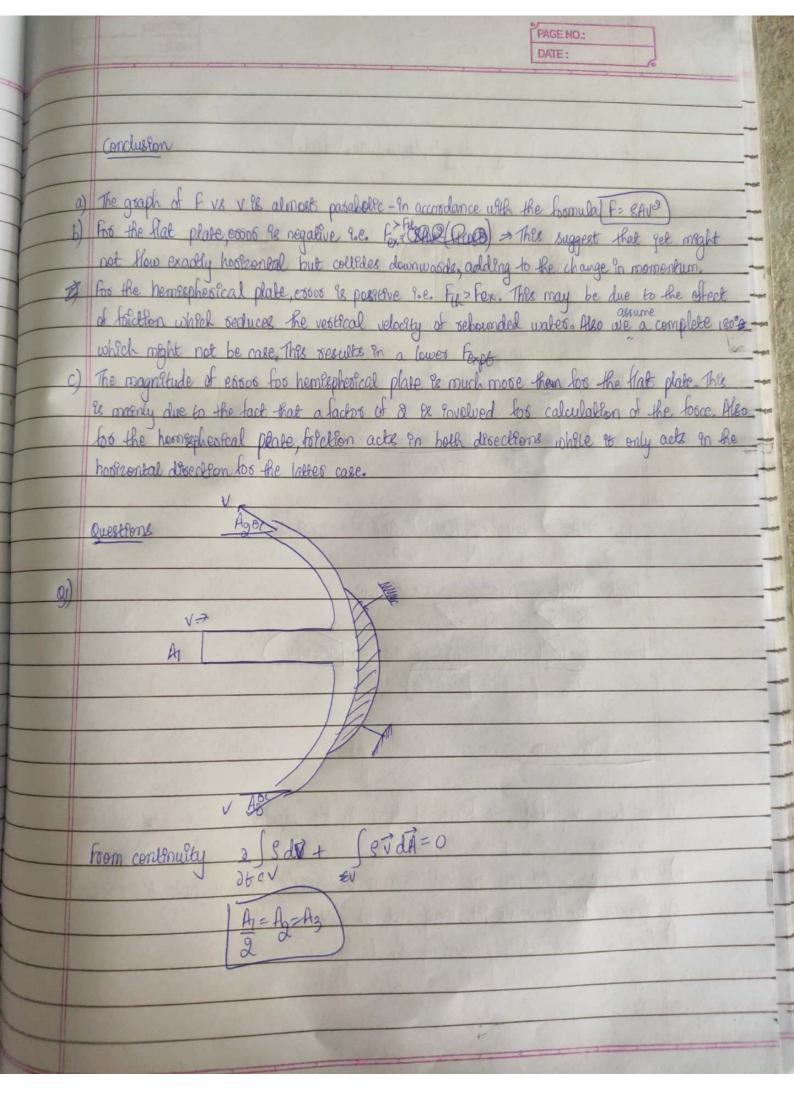
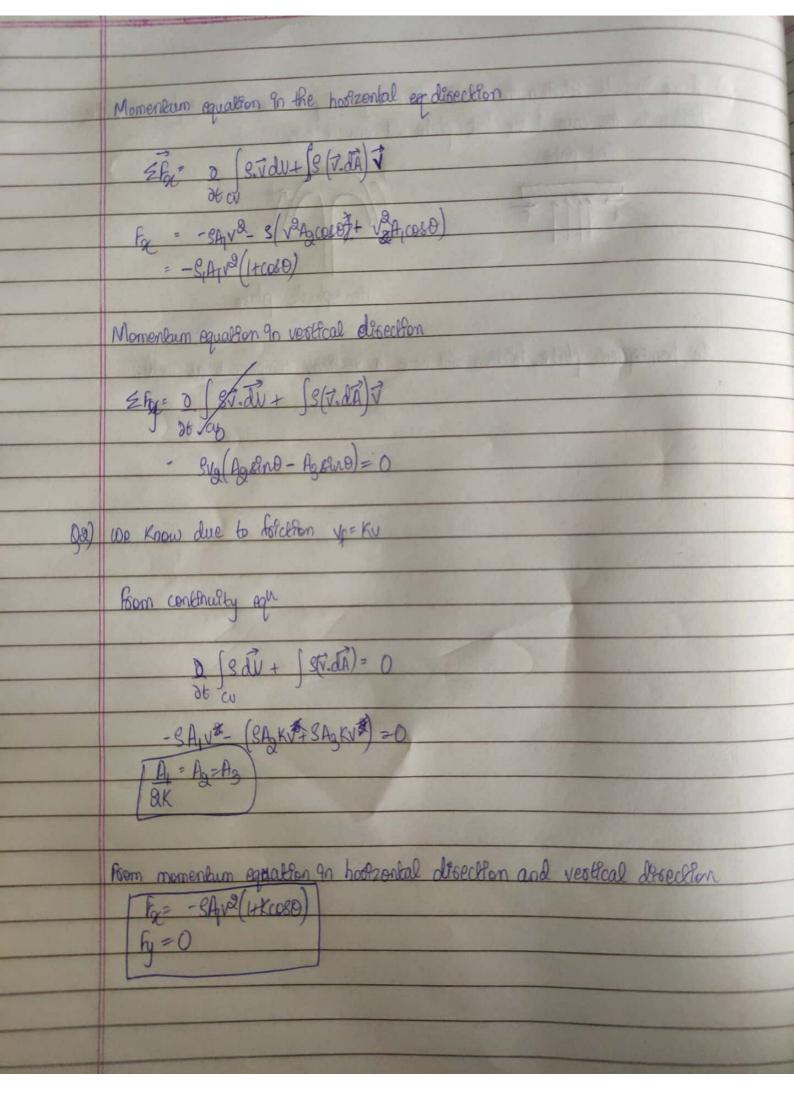
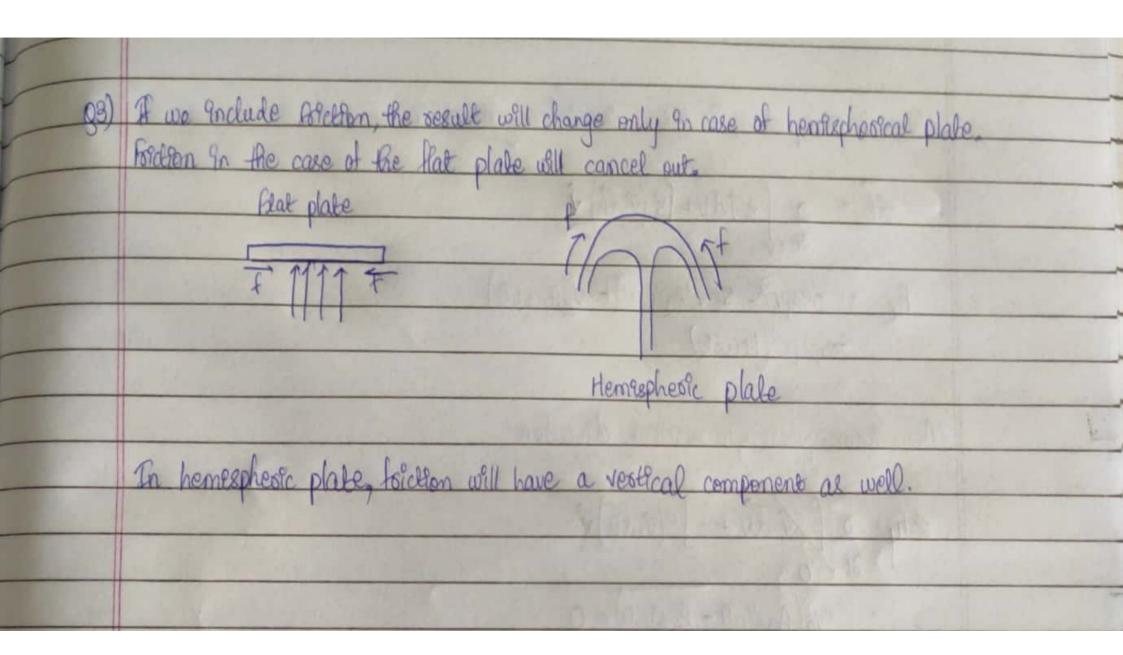
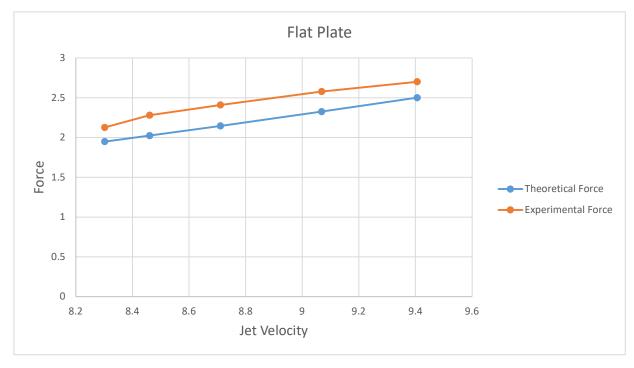
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	Expostment &- Impact of Tels		
	1 . 21	A C II CONT.	
	Name-Manay Doshi		
	Roll Number - 200100094	TAMA & Prost	
		A P	
	Alm - To shidy the impact of jets on stationary surface	08	
	2 10 1 0 1 00		
	Working and Calculations	NE 1188	FI
	Fox table 1 > Using reading 4 (Blat plate)	Charles and	
	Co al sale demoles com	Jan Martin	
	Gren- Nozzle dlameter-6mm		
	Destance of weight L = 32 37.2 cm		
	The taken t = 18.88	Total Sherrin on tel 1	
	Amount of wales = V= 5 19 toes	METAL STATE OF	
	The Assert		
	Okcharge. V/t. 5x103 - 2.66x10H m3/8		
	18.8		
	Velocky v= Q/191 = 2.66×104 = 9.40 m/s	CO X	
	Velocity v= 8/11294= 3.66×104 = 9.40 m/s Tx (6x163)& 9.40 m/s	MAN OF THE	
	FB = SAV2 = 1000X I (6x163) 2 x(9.40)2	Adapped and do X	
	01		
	= 2.50 N	1	-
	9	Start 63	
	Fext = mgl . 0.1x9.8x37.2x10 = 9.70 N		-
	0.185 6.185		
-			
-	Exert = Fe - Fexpt x100 = 2.50-2.70 x 100 = F-7.9	46	
-	Fel. 2.50	1	-







Sr.	Nozzle	Type of vane	Weight added, m			Discharge, Q	Velocity, v	Theoretical force, F_{th}	Experimental force, F_{expt}	Error
No.	diameter, d (mm)		(kg)	cm	(sec)	(m^3/s)	(m/s)	(N)	(N)	(%)
0			0.1	20.2	21.2	0.000224742	0.202202204	1.040004003	2.12(0(20(2	0.12(07242
0	6		0.1	29.3	21.3	0.000234742	8.302292284	1.948894902	2.126962963	-9.13687343
1	6	Flat	0.1	31.4	20.9	0.000239234	8.461187831	2.024207615	2.279407407	-12.60739217
2	6	vanes	0.1	33.2	20.3	0.000246305	8.7112722	2.145633547	2.410074074	-12.32458952
3	6		0.1	35.5	19.5	0.00025641	9.068657726	2.325296853	2.577037037	-10.82615254
4	6		0.1	37.2	18.8	0.000265957	9.406320514	2.501680988	2.700444444	-7.94519596



Sr.	Nozzle diameter,	Type of vane	Weight added, m	Distance of sliding weight, L (cm)	5 litres	Discharge, Q (m ³ /s)	Velocity, v (m/s)	Theoretical force, F_{th}	Experimental force, F_{expt} (N)	Error
0	(mm)		0.2	21.0	160	0.000205050	10.4(202504	(101(10020	4 (1 (000000	25 42225092
0	6	Hemi-spherical vanes	0.2	31.8	16.9	0.000295858	10.46383584	6.191618839	4.616888889	25.43325083
1	6		0.2	33.8	16.4	0.000304878	10.78285522	6.574911721	4.907259259	25.36387609
2	6		0.2	36.2	16.1	0.000310559	10.98377799	6.82222355	5.255703704	22.96199933
3	6		0.2	37.7	15.8	0.000316456	11.19233074	7.083753632	5.473481481	22.73190506
4	6		0.2	39.3	15.23	0.000328299	11.61121639	7.62391096	5.705777778	25.15943841

