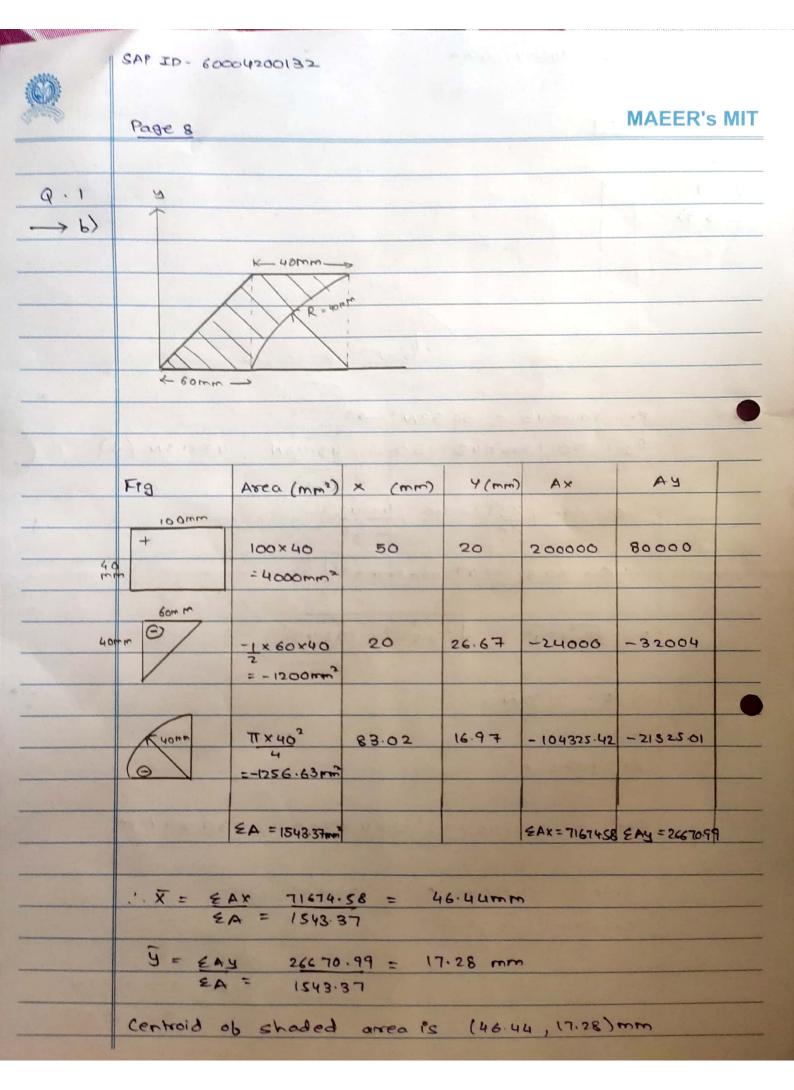
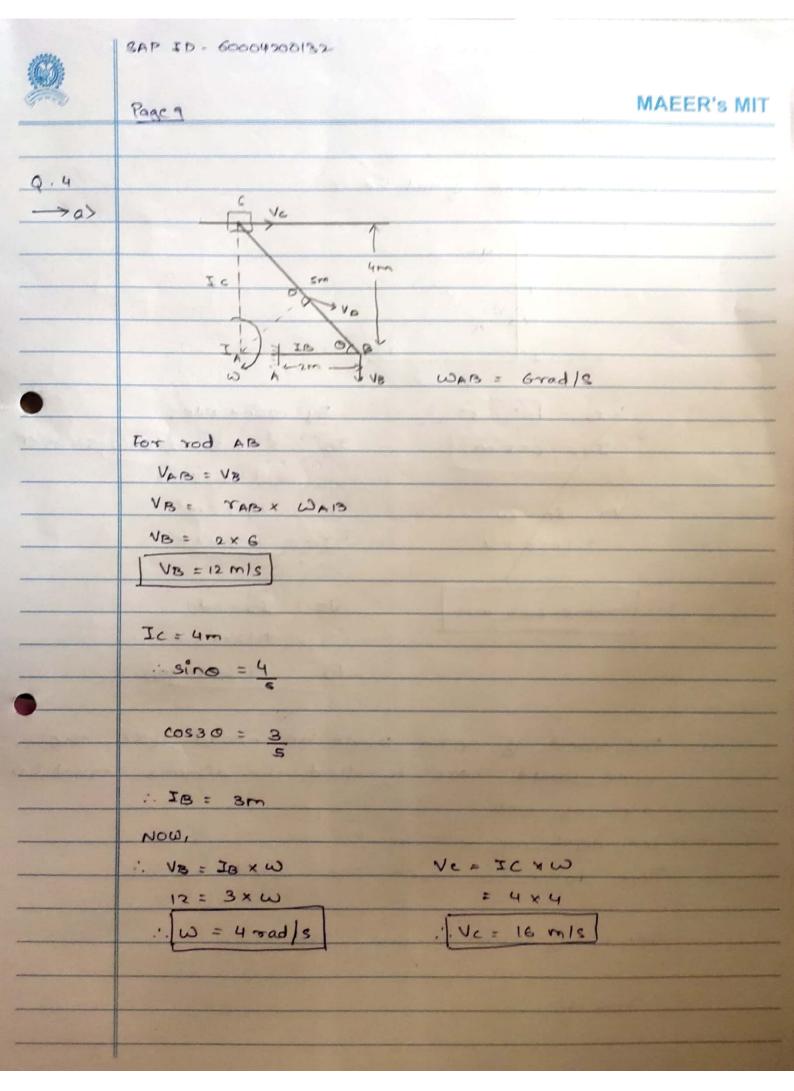


	SAP ID - 60004200182
	Page 4 MAEER'S MIT
	2 Fy = 0
	N2 = N1 + 3 - (4)
	From (i), T = UN, (0530.
	Substituting Pn (Ti)
-	$N_1 + UN_1 + ton30 = 2$
	N1 = 2 - 2
	1+ Mtan30. 1+0.3xtan30
	.: N1 = 1.7047KN
	·. N2= N1+3 = 1.7047+3 from (4)
	'. N2 = 4.7047 KN
	: Form (3),
	F = UNI + UN2
	= M(N1+N2) = 100 0.3(1.7047+4.7047)
	: F = 1.92282 EN
	From (i) T = 0.3x 1.7047
	(06.30)
	.' T= 0.5905 KN
	. Tension in cable is 0.5905 KN

	SAP ID-6000 4200182
	7 3000 4200182
	Page 6 MAEER'S MIT
	NOW,
	ENB = 0
	- (N2 x6 cos35) - (0.25 N2 x 6 sin35) + (800 x 3 sin35)
-	+ (600 x 2 sin 3 s) = 0
1	
	-(211.765 x 600535) - (0.25x211.765 x 65 in35) +(300 x 35in35)
	+ (600 xxsin35) = 0
	as a semisit arrains manages and as
- 1	-1040.806-182.195 + SIG.218 + X (344.146)=0
	13910
	344.146
-	
	1. X = 2.0231 m
	The state of the s
	:. A man can climb 2-0537 m without slipping.
District Control	





	Rege 11
Name and Address of the Owner, where the Owner, which is the Owner, where the Owner, which is the Own	
	: Time token by stone in reaching the well, h = ut + 1 gt 2
	$h = 19t^2 - (1)$
	Time taken by sound of splach to reach the top of well,
	t' = h
-11	2(330) 660 $2(330)$ 660
	NOW,
	t+t' = 3.5
	t + + +29 = 3.5 660
•	t + 0.014863 t2 = 3.5
	··· 0.014863t2+t-3.5=0
	1. t = 3.3347 or t = -70.61
	time cannot be regative t = -70-61
	.', t = 3.33475.
	Thus, t' = (8.3347)2(0.014863) =0.165 &
	Hence, depth of well, h = 330 x0.165
	= 54.45m
	Depth of well is 54.45m