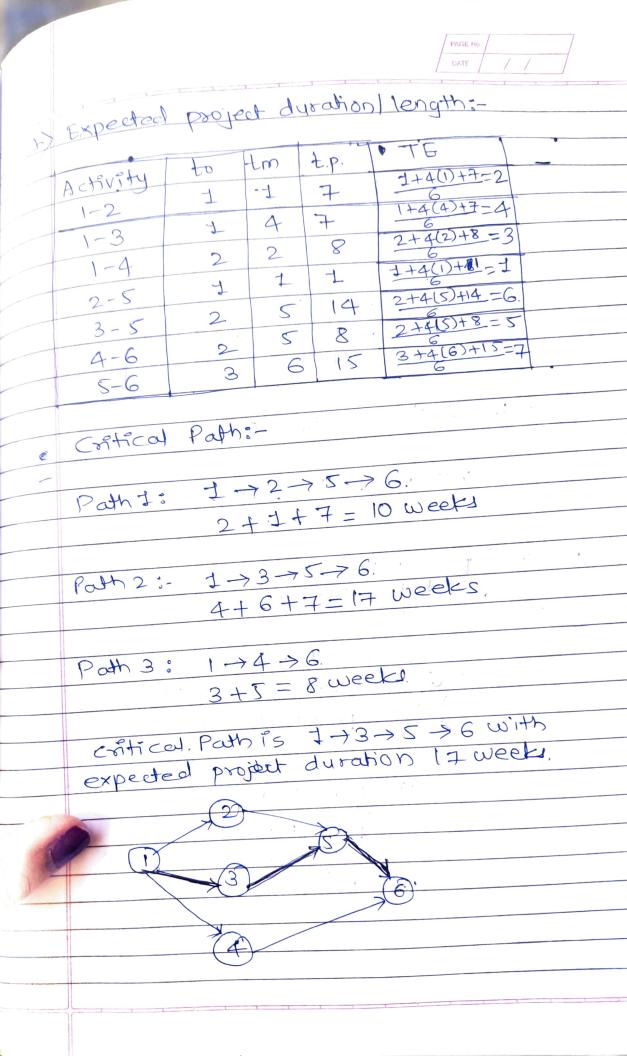
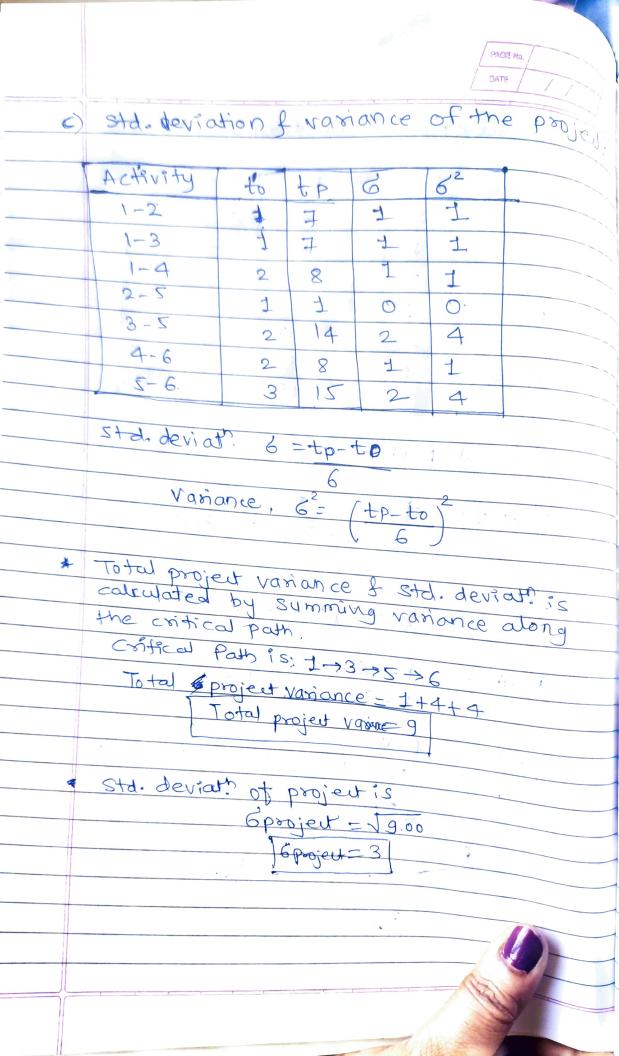
PAGE No.	1
TERT Example:	
2) The time estimates (in week) for an	/
of a PERTNetwork are given below.	lv:
ord PERINA WORK are gives such	
Activity to to to te	
	1
T ST DIAW 100/Cd No.	
b) Delenine expo	+
2 2 8 Project legity	1,3
I I C/Ca/CIII OUP STA	· V
2 S 14 & Variance of pro	151
5 5 5 79 79 70	- 2
0 0 13	
a) It project due date is 19 weeks, wh	J.
probability of not meeting due date	
The propability that the	
	20
1 1000 1000	
time for the probability of	20
time for the probability of completion -	6
⇒ Solution:-	
a) N/w Diagram.	
2	
5	
(6)	
4	-
	1
	1





. not I Find probability of meeting due date: Project due date = 19 weeks. Expected time = 17 weeks z = 19-17 = 2 = 0.33Sorton Z-table P(Z=0.67) 95 0-840.7486=74. So, from Z-table P(Z=0.67) is 0.7486=74.869 so, probability of not meeting duedate (1-P) = 1-0.7486 = 0.2514 -25.14% e) Probability of completing project with due date 20 weeks is Z= 20-17 : So, from ztable p(z=1) is 0.843=84.3% f) probability of completion is = 90% = 0.9 So from z-table, Z=1028. ·· 1.28 = x-17 x-17× = 1.28×3 3.84+17 x = 20.84 weeks.