	TUTODIAL 6 Charelin Nouri	PAGE No.			
OI a)		· · · · · · · · · · · · · · · · · · ·			
	· P(T) = 1-7		5		
	· for fout H at KATh (1-7)(2)				
þ	M no of tones per for	Mad			
	S: Et E(M)				
	$5 = 3 \times 1 + (1-3) \times (S+1)$ $5 = 3 \times 1 + (1-3) \times (S+1)$				
	5-1				

OZ Van (x) = EE((x-E(x))2) TP: Var(x)= E(x2)-E(x)? Va(x)=E(x-E(x7)2) = E[x2-2xE(x)+E[x]2) = E[x2] - 2 E[xE(x]) + E[x]2 = E(x2) 5-2E[x]2+ELx]2 = E(x2) - F(x)2 b) E(x7-0 & E(x2)=1 1) Var of x = ? 2) Y= a+bx, var(y) >?

PAGE No.

1) Van (x) = E(x2) - E(x)2

-1-0

こ

2) $E(y^2) = E((a+b\lambda)^2)$

- E (a2+2abn + b2x2)

= 02+2abE(21)+ b2E(24)

 $= a^2 + b^2$

E(7) = E(a+bx) = a+bE(3x) = a+b(0)

Van(7)= a2+b2+q2

z 62

		PAGE No.	
		DATE	
03 P(F): A	Ku mondrota	18	
PCB) : 6	tere curs.		
a) P(B)=	P(B, A) + P(B~A)	
- Y	P(B/A) P(A) + P(B/~A)P(~A)	
		Short Pile	
= 0	.99×10-5+(1-1	5.99×105) × 1-105	
		,	
	99×10-5	a and a second	: -1/2
	pp .2	1.22	
) P(A/B) :	P(A,B) -	P(A/B)P(A)	1
	P(B)	PLB	
		, 010	
2	D. 99×10-5	\ \ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	-
1)		<u> </u>	
4 1 4 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4	1.99 ×10-5		
,			
I-P(A)	B) =0.497		
7.92			
			1