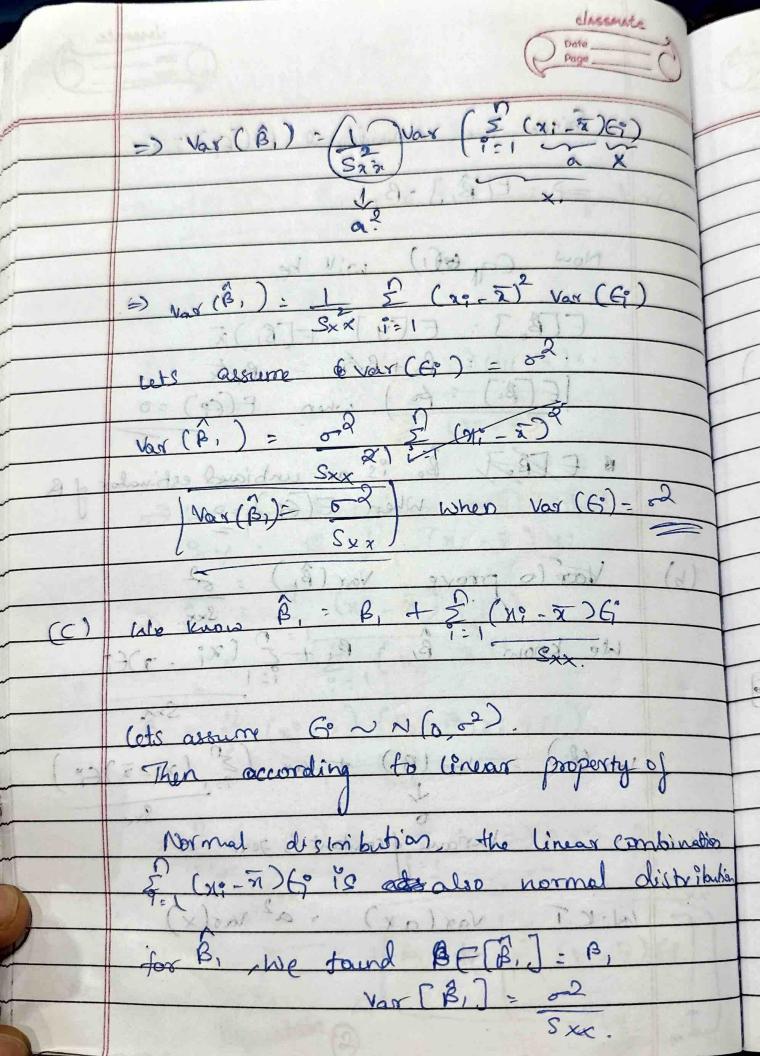
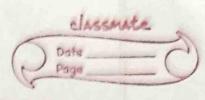


(25)	C 1000
	Since me considére à E (E) =0
	=> E[B,]:B,
	A STATE OF THE STA
	Now Eq () will be
	(4) L (6) L (4) Von (6)
	FIBJ: FIJ-FIB,) T
	= Bo+B/T - B/X
	[F[Bo] : 60) When P(Go) =0
	(x - 240) 2 800 = (47) 401
	& FIRST Bo is an unbiased estimator of R
63	When E(G) =0
	- 1 × ×2 = 1
(b)	Vor (0 prove vor (B,) = 02
	We know $\hat{\beta}_i = \beta_i + \hat{\beta}_i = 3xx$. We know $\hat{\beta}_i = \beta_i + \hat{\beta}_i = 3xx$.
	We know B, = B, + E (x; -7)E;
	121
	(es o) in co os mars stri)
10	Vax (B) = Vax (B) + (Vax (E) (x; = x) Ex)
b	1
o'dan id	Versauce of constant is zero.
wall of the	o locaran social of of of the one of
	W.K.T var(ax) - a2 var(x)
	19 - [8] - P & P & P & P & P & P & P & P & P & P
	C - (87)
- 20	





B, ~N (B, or) when Equalogy lete consider E[F) = E[E(xi) = x. from eq (?n Question () pt (). B, = B, + 2 (x:-7) ft = [3] 7 E[\$] = E[B] + + PE (Σ (x:- \bar{x}) ε :)

Constant

Constant - P, + - PB = E(x:-7)E(G) = B, + 3 (x; -x) non zero constant, lets factor it out. = B, + Q (Vi; -2) => 0. [E[B,]-B, B, is unbiased even when EFB) = X = 0.

