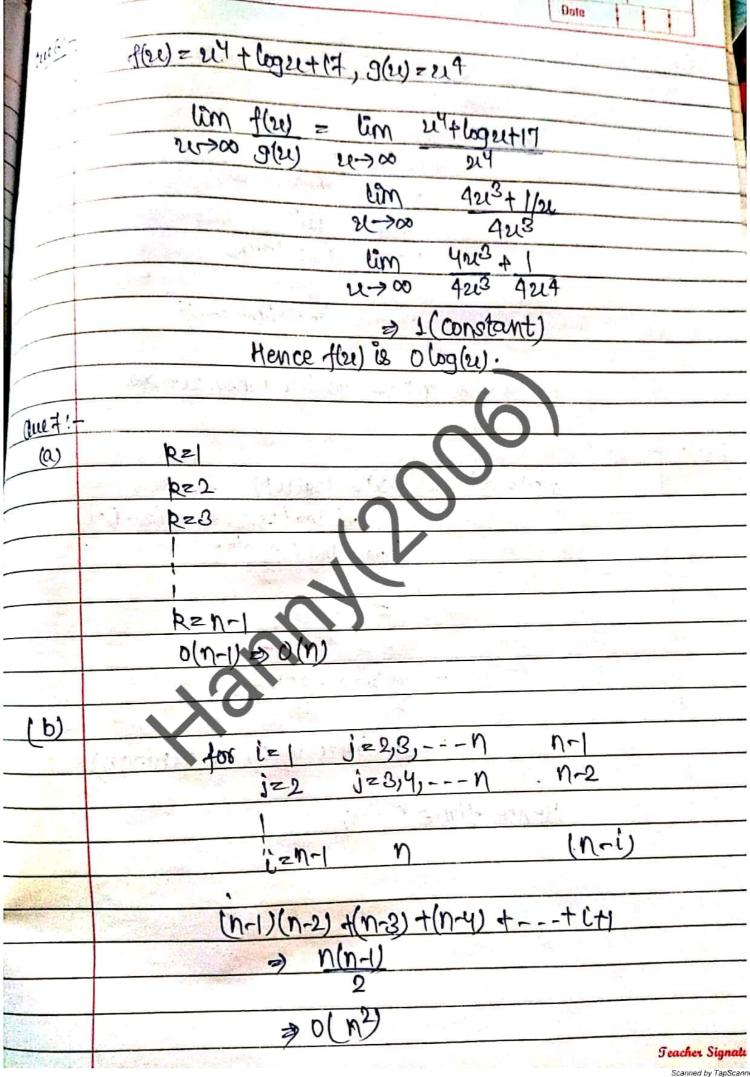
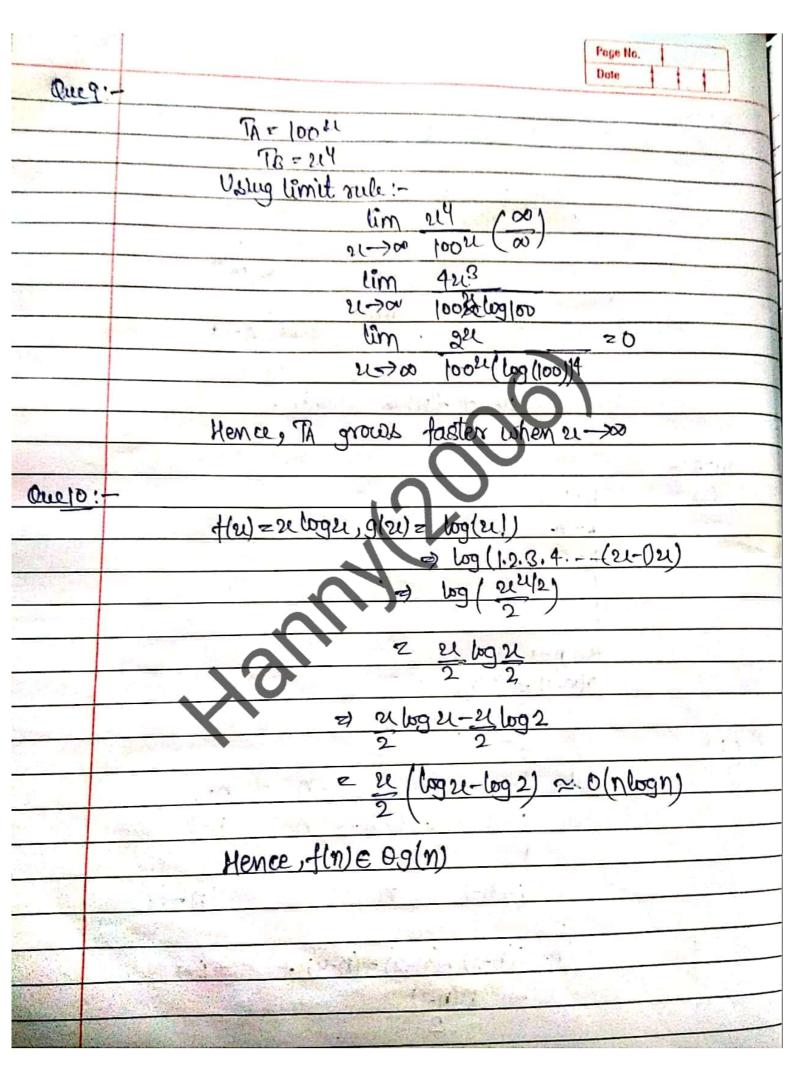
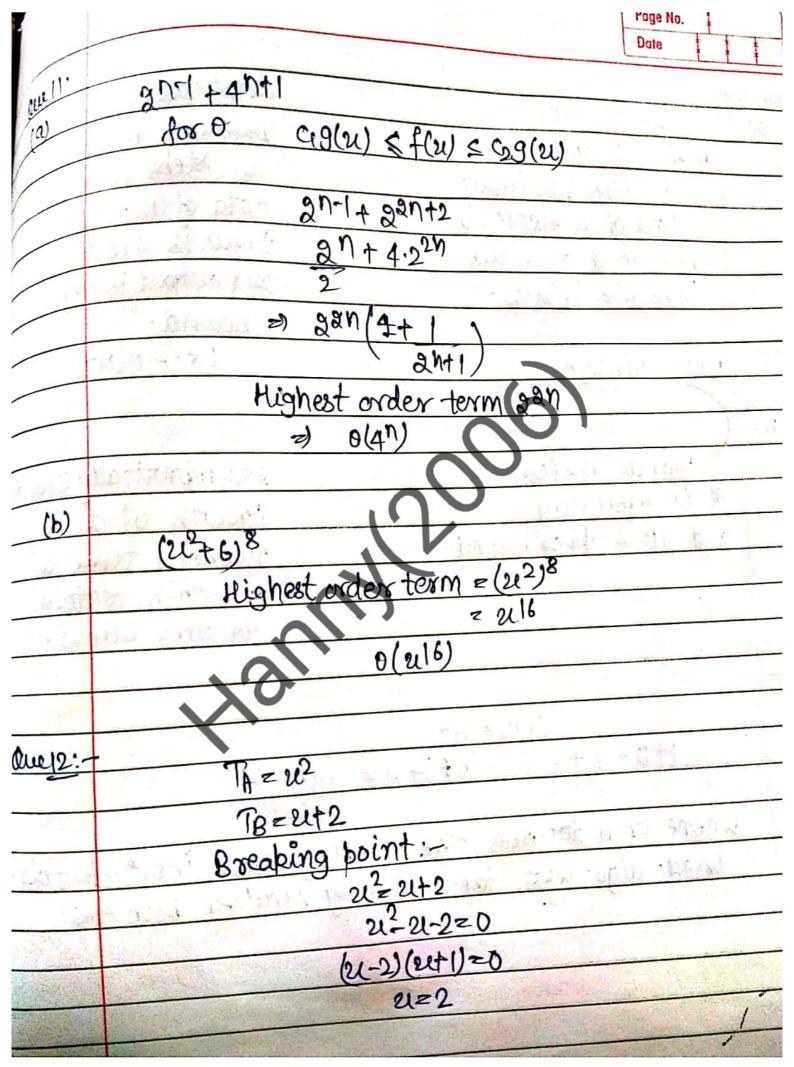
	NAME-HANNY BRANCH-II.T: Assignment In the No. ROLL NO! 11912006 Date
sue 1:	tu=10=SSEC
V/	tu=10=Seec tu=50=?
	CHECO:
	p28zt
	RXIDDES
	Rz 1
	9n
	tuzo = 1 x 5/0 x 80
	trezs = 1 x spx 80
	z-125 sec
_	
169:	TA=213, TB=212
	At Breaking boint:
	NO BOOKING POUTO
	21=2
	(1 to 1 to
u3!-	f(u) = 21.22 . g(u) = 47
=	f(u)z 21.20 . g (cy
	21 1
	Applying limit rule:-
	10 10 10 10 10 10 10 10 10 10 10 10 10 1
	lim f(21) => lim evale => lim e
	21-700 9(21) 21-700 421 21-700 2000
	Melling 1' Hospital:-
-	Applying L' Hospital:-
	un all loop
a ci	ence f(u) is in o(gre).
	Hence f(e) is in organ
Comment of the	

	Date 1				
Que4:					
	let any polynomial funct, Per and				
	Using limit rule, lim log(ev) [00] 22->00 P(ev) [00]				
	Applying l'Hospital rule: -				
	U→∞ U.P(2V)				
	Thus, by ex grows slower then all functions.				
	"mus, ag et grows subser men au transcions"				
	let two log fun. logare and				
	let two log fun. logare and logaret				
	Applying limit rule:				
	Appedig who have				
THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAM	lim logare lim logare				
	21-700 log (u+1) 22-700 log bet log (1+1/21)				
******	ente by bette sum by are log [17/21)				
	u-> a log bu				
	⇒ lim Inb				
Stewart	2->00 lora				
	→ constant				
	Hence all log functions grow at same rate.				
No.					







AND SPECIFIC	THE RESERVE OF THE PERSON OF T	Date
Quest		
a)	Aug. Case (0)	Worst case(0)
	Performs augino.	performs max no.
	of steps per input	of steps on input
J	data of n elements.	data of n elements.
	Averaged over all	Input is arbitrary
	possible inputs.	and output is upper
		bound.
	Ex:- o(nlogn)	$Bx:=o(n^2)$
		Cally Carlot
(b)	be III. A	
	Worst case(0)	Asymptotically Boundell
	It is arbitrary	Growth of a
	and of is upper bound.	running time to within certain
0		within certain
		factors below.
	M. I.	The state of the s
one 8 !-		
2	f(n) = N	
	1+2+3++(n=	fU+n=n(n+1)
		2
The first	whenever n doubles.	the running time incl) forefold, retatively smaller problems.
AT	Buad also are for	retatively smaller problems.
3 SN 33	9,9 1 9,9	Sarting to the same of the sam
2000		
all the late of		