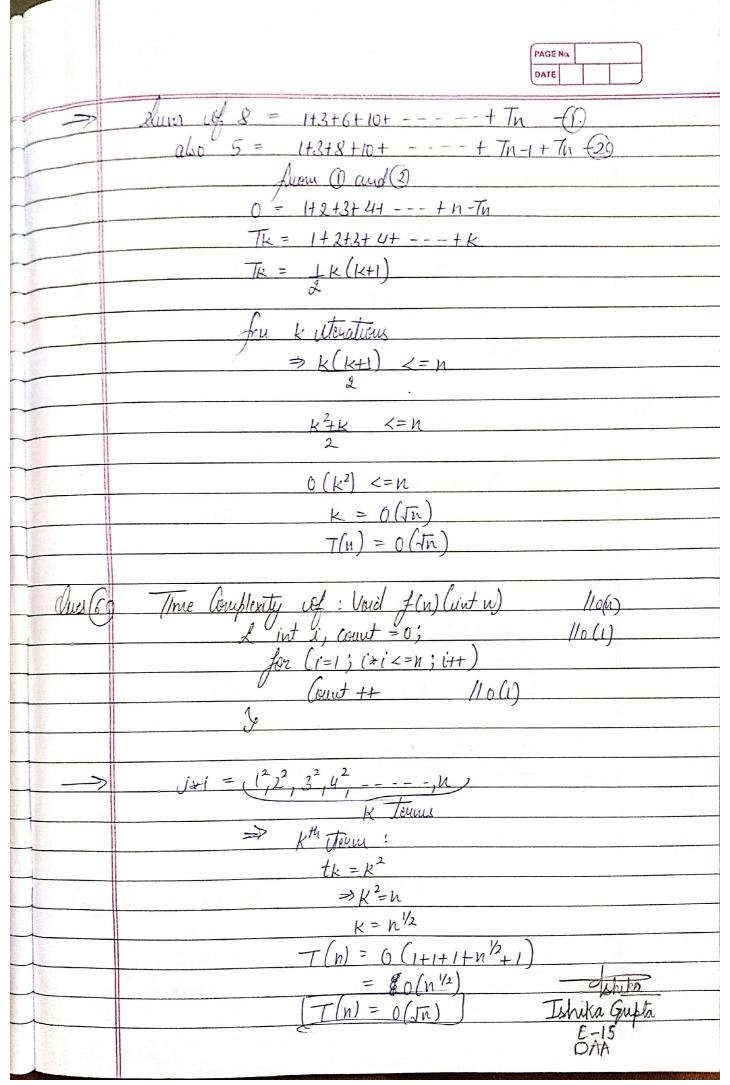


	PAGENO
	DATE
	$T(n) = \sqrt{2T(n-1)-1} \text{ uf } n>0, \text{ with was se } 1$ $T(n) = 2T(n-1)-1 - 0$
Musico	T(n) = 2T(n-1) - (0)
	Let n=n-1
	fuom D and D
partie (man Man - Colombia and the Colombia de Colombi	7 mon (1) ave (3)
	I(n) = 9I(n)
Non-lead to the control of the contr	$\int_{-\pi}^{\pi} \int_{-\pi}^{\pi} \frac{n - 2}{n - 2} = 9 - (n - 2) - 1 - (4)$
	[(N-2) X1
	Juan 3 and 1)
	$\frac{y_{uon}(3)}{7(n)} = 4 \left[27(n-3) - 1 \right] - 2 - 1$
	= 27(n-3)-4-2-1
	General => $g^{k} T (n-k) - (g^{k}-1)$
	h-k=0
	N=K
	$7(n) = 2^{n} 7(0) - 2 + 1$
, , , , , , , , , , , , , , , , , , ,	$= g^{n}x_{1} - g^{n}+1 = 1$
	T(n) = O(t)
Mues (5)	What schould be the time Complexity of
	unt v=1, l=1
	while (SZ=N)
y	Drunts (" # 97);
	print f ("#") 2
- dilaha	
Tilika	Au Lta Attack L C-15'
Trunc	Jupta Atlantan E-15'



		DATE NO.
Mues (79	Time Complexity cof Void for Cint n)	
	Void In Cint n)	
E	Luit J. I.k, Count = 03	
	$dy \left(i = N/2 \right) i \left(k = N i + 1 \right)$	
	$\int for (K=1; K \leq n; K=K^{2})$	
	Court ++;	
	Jo	
	Jo Jo	
->	Joy K=K+2	
	K=1,2,4,8N	
	$gp \Rightarrow a = 1, y = 2$	
	$\operatorname{Sum} = a(H^{n}) = I(g^{k})$	
	H-1.	
	$N = 2^k$	
	clogu = K	
	$l \rightarrow 1,2,,u$	
	j -> logn, logn,, logu	
	K -> logn + logn, , logn + log	и
	=> 6 (n light light)	
	$\Rightarrow 0 (n \log n + \log n)$ $\Rightarrow 0 (n \log^2 n)$	
		111
	/shika/	Cupla No
	¢15)
	如此	ika
	DA	A

	PAGE NO.
Duy 60	Time Complexity of:
The state of the s	Time Complexity of: Sunction (int 1)
	d = 1 $(n = 1)$ $Mellow ; (1)$
	for (1=1 ton) /10(n)
	$\int_{0}^{\infty} \int_{0}^{\infty} \int_{0$
14.00	L puit (er + "); 110(1)
	Lunction (n-3);
	for function Call,
	n, n-3, n-6,, 1) K Terms
	\Rightarrow AP with $d = -3$
	$\Rightarrow l = a + (k-1)d$
	l = N + (12-1)(-3)
	1-n = k-1
	-3 -3
	\Rightarrow $k-1=n-1$
	$\frac{1}{3} = \frac{N-1}{3}$
	(K = n+3)
	$\left(K = \frac{n+2}{3}\right)$
	-> Sunting give a Mecaning call may it
	=> function gives a Meanwrite call n+2 itimes => Time Complexity = (n+2)(n)(n)
	3 (11)(h)
	$= n^3$
	$= n^{2}$ $(I(n) = 0 (n^{3})$
	Jehika
	Jshika loupto Atlawae
	Jonita Inito Allowae
A Company	DAA E-IQ

Scanned by CamScanner

-	PAGE No.
11 00	
Mus (b)	Time Complexity of Void function (int n) L for (i=1 to n) L for (j=1; j <= n'; j = j+i) point (" + ");
	$\int \int $
	$\frac{1}{\sqrt{n}} \left(\frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \right) = \frac$
	1 point (" + ");
the contract of the contract o	
	5014
	$\begin{cases} 1 & \text{for } 1 = 1 \\ 1 & \text{for } 1 = 1 \\ 1 & \text{for } 1 = 1 \end{cases} = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 1 & 1 \\ 1 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 1 & 1 \\ 1 & 1 & 1 \end{bmatrix}$
	$f_{04} j = 1 \longrightarrow j = 1, 2, 3, 4,, n = n$ $f_{04} (=2 \longrightarrow j = 1, 3, 5,, n = n/2)$ $f_{04} j = 3 \longrightarrow j = 1, 4, 7, n = n/3$
The in the second of the secon	1)1)1
	$\int_{0}^{\infty} \int_{0}^{\infty} u \rightarrow u = u = u $
	$ \int_{-\infty}^{\infty} \int_{-\infty}^{\infty} \frac{1}{n} = 1 \begin{cases} 1 = 1 \\ 1 = 1 \\ $
and the second s	j=n
to proper years and the second	=> \(\frac{1}{2} \tau \in \left(1 + \frac{1}{2} + \frac{1}{3} + + \frac{1}{n} \right)
	$\frac{2}{1-\mu}\ln \log \mu \Rightarrow T(\mu) = \int_{\Omega} \int_{\Omega} \int_{\Omega} dx dx$
	$T(n) = O(n \log n)$
Murs) - S As Given, n K & c m
	as $n^{k} \leq \alpha c^{n} + n \geq n_{0}$ for (a) Constant (a>0)
	C = 2
	$\frac{1}{10000000000000000000000000000000000$
Manage Annie Constitution of the Constitution	White
	Whike Gupta Attawa
	F-15
	DAA
The second secon	