r 1950	Date: \1 \631 201
	MATH-245
/	QUIZ-#3
	MAME - SHREYAS SKIMINASA
/	PALOMAR IN: - 012951187
1. Ans	S(0) = 2000
Managemen	$S(n+1) = S(n) + S(n) \times 6 + 180$
	is the required recovering polation
	Orde Mans S(m+1) = 1,06 S(m) +196
C	let s(m) = T(m) + b,
	then we get -
	t(n+1) + b = 1.06 t (n) + 1.06 b + 180 Checking malus softmax 1.06 b + 180
	0.000 mg manus - 1 - 1.06 15 + 150
	0-6
	T(m+1) = 1.06T(m)
	t(m+1) = 1.06t(m) $t(m) = (1.06)^m - t(0)$, where
	T(0) = 9(0) - b = 2290
	T(m) = S(m) - 6
	= S(m) - 290
	:. S(m) +290 = (1.06) m(2290)
	S(m) = 2290 (1.0G) 298 H Hy
	becaper
	solution.

(1)

P-T-0

	Data: U. A. Z. 120.
	Date: 11 D3 17021
	Date: 11 D; 17021 At the end of 5 years we will have (5) 2 2761 diallars in thy account
	troops in the second
	MOTE. A. M.
	MOTE: Answers not in order Answerseng to bout.
	with love works i were
S A	
G April	The opinen lineary monogenous recurrence
	talalian is
	an = San - 15 an 2 - (1)
	P=ADO=OB prontitioners lating ateu
	John martialors superioran reading a sixterior report
	dogree ?
	and the second s
	Comparing (1) printed
	En = A an + Ban-2;
	The second secon
	we get:
	A=8 & B=-15
	Then the characteristic squatron in give
	by:
1996	
	A - AA - B = 0
	with a D. M. D. D. Company and March 18 18 18 18 18 18 18 18 18 18 18 18 18
-	7 + + - 8 + + 15 = 0 more more
water.	= 70 t2 - 15 t - 3t + 15 - 20 learner
	=> (t-f)(+-3)=0
	. Hoove tendent + pape and 2, E = + 5=
	(2) $Q = T = 0$

Herie, the solution to this relation are sof the from To find the growstands of & Co glass up mortilanos lastini just R = 0 L1 + Ln = 0 4 privilar Lulestituting 3 Cy & - 50 Lo = 2 Menzo the rolution Sypins morrance nortalge condition the Seguenco al = A P = they

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	Date:\\ \D3/	2021
7	The regular expertion in -	And the second s
	A Z A A A Z Z	
	Dan.	
	from N=2 d2 = 7 a = 7 -3	
	for N=3, A = 7A = 7.7.3=(7) for N=4, A = 7A3 = 7.(1) ² .3=(7) ³ .3	7.3
	$G_{h} = (7)^{h-1}3$	
	- a a = 7 h - 1 . 3	
P		
7		
•		
i.		
		M. Marine