$M\Box T\Box W\Box T\Box F\Box S\Box$ Date:...../20...... lecture =14 Revie Questions $av(2) = \frac{52-51}{t_2-t_1} = \frac{21.4-21.1}{2-1}$ a= 0.3 $a(v(3)) = \frac{s_3 - s_1}{t_3 - t_1} = \frac{11.9 - 21.1}{2}$ *b*/ b:35 s(b) = 11.9 Dto 2 6-0t = 1 s(b-ot) = ROA s(1) = 21.1. Infinity -Notes

Date:...../20......

aj

MUTUWUTUFUSU

(2)

da/ = - 0.000 9

00:200.

P = POH + DP. 0 = 00 + 0012 + 00

Q 200 + DQ

DQ = -0.0004 (20)

TO - 200 - 0.0007 (Q-At)

true - to H + Dt.

told = two - st.

- 4.0 -0.5 = 8.5.

O(t-ot)= 194.32.

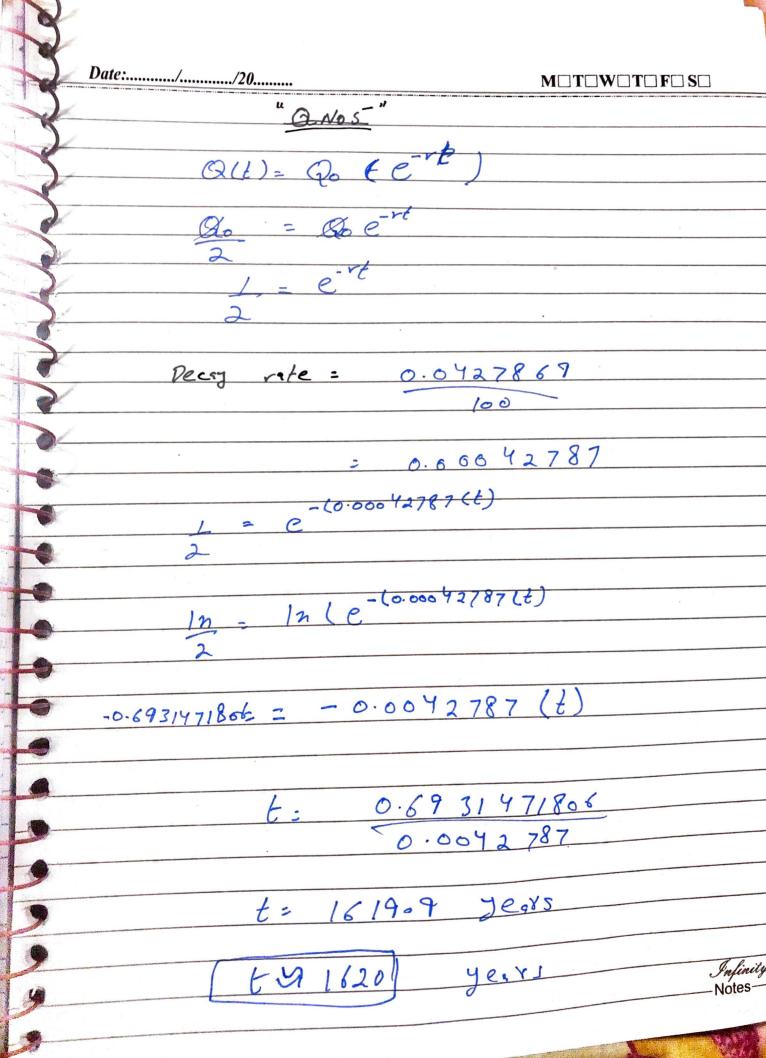
Ot: 199.28.

DO= ?

Odres & Gold + Dt.

Dt. 199.32 - 199.52

Infinity Notes



 $M\Box T\Box W\Box T\Box F\Box S\Box$ Date:...../20..... Beview Question Ogta:-At = 0.1 £ 1000 t-At = 800 _ /000 105% => 1.05 (α) Sol :-OP = rOt (1-P/M) xP Parton = (1.05)(0.1) (b) Population re 1000 Max is (C) 600 P(5.1) (1.05) (0-1) 600 (600 Infinity -Notes-0 00

Date:...../20......

MOTOWOTOFOSO

DP = 25.2

P= Pold + AP

= 606 + 25.2 = 625.2 Individuals

Quick Reviw Question 8

c - Greater

R - 21s

Date:	J	/20		
		H 4		

M T W T F S

Model 4.7

Review Question 2

B = BTS

This is because all over parameters are same and death proportionality constant of with is greater, which will result in more destig of WTS.

Model 4.2

Review Question 2

DY, because its BixA is dependent on its own population and population of Dx

rihs - 12 h => refrence &9

(B) Oy = (0.01 = (x)(t-Dt) = y(t-Dt)

D= 6.01

Infinity -Notesıte:...../20.....

M T W T F S

<u>(C)</u>

Dx: (2 *x(t-At)-1000)

A = 2

(O)

Dy = - 1.06 = y(t-at)) = Bt

F = 1.06

(E)

Dx = -0.02 9 y(t-st) 9 x(t-st)) 9 st

C = -0.02

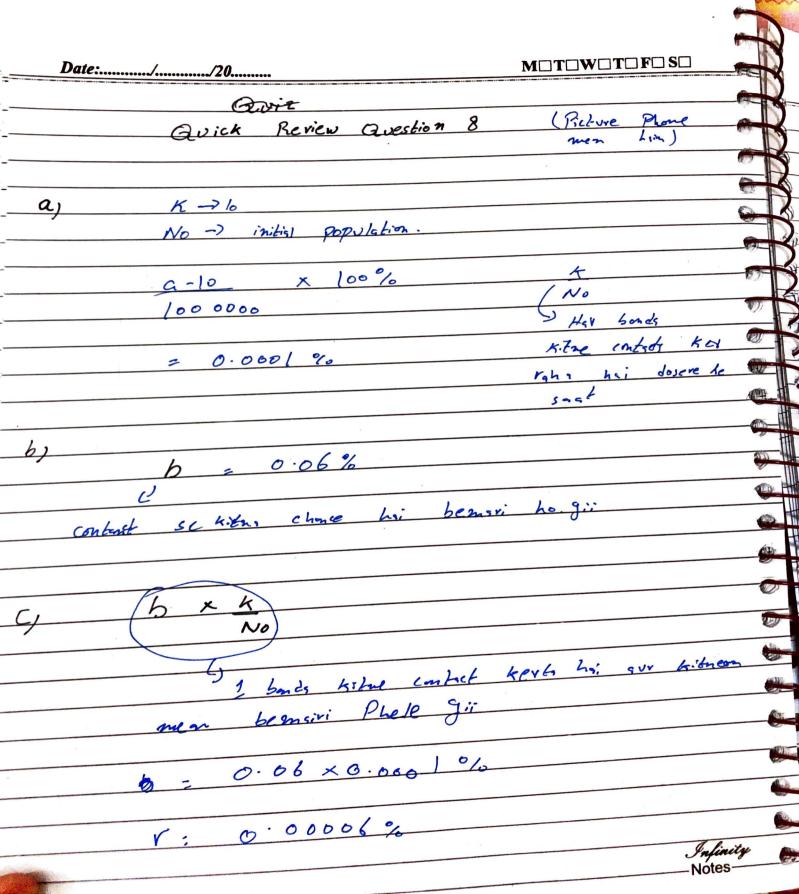
(F)

Pridators = 15

(4)

Prey = 100

Infinity Notes



 $M\Box T\Box W\Box T\Box F\Box S\Box$ Date:..../20..... => 5000 × I => 45×109 & rxsi C)_ = K xb x SI rate of getting 2 # of contret with SARS Sick transmition per day. ds = - vote of gotting Sich dt $S \times \Gamma \times V = \frac{45 \times 10^{4} \times V}{10^{5} \times 10^{5} \times \frac{4 \times 10^{5}}{10^{5}}}$ 45x10 x 0.00006 % V × SI = 2700 => vale of Jetting sich ds ds = - vale of getting sick Infinity **Notes**

 $M\Box T\Box W\Box T\Box F\Box S\Box$ Date:...../20..... O. NO7 (a) = 1 = 0.5 rate of people going from earosed re to infections (6) (C) 0. 0.0625 4 = 16 u So Infinity -Notes-