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	$\int_{0}^{2} \left(\frac{\partial B_{0} - 3A_{0}}{\partial B_{0} - 3A_{0}} \right) \left(\frac{\partial A_{0} - 2x}{\partial A_{0} - 3x} \right) \frac{\partial A_{0}}{\partial A_{0}} $
	$\frac{-\left(-\frac{1}{2B_0-3H_0}\right)}{\left(\frac{2B_0-3H_0}{2B_0-3H_0}\right)} \times \left(\int_{-\infty}^{\infty} \frac{dx}{x-(1/2)H_0} - \int_{0}^{\infty} \frac{dx}{x-(1/3)B_0}\right)$
	$\frac{\mathbf{k} + \mathbf{l} - 1}{(3B_0 - 3P_0)} \times \left[\frac{\ln\left(\mathbf{x} - \frac{1}{2} \mathbf{A}^0\right) - \ln\left(\mathbf{x} - \frac{1}{3} B_0\right)}{-\frac{1}{2} \mathbf{A}^0} \right]$
	$(2B_0-3P_0) \qquad (Dx-A_0)B_0$ $A_0(3x-B_0)$
	$= \frac{1}{(3A_0 - 2B_0)} \frac{\ln \left((3x - A_0)B_0 - A_0(3x - B_0) \right)}{\ln \left((3x - B_0)B_0 - A_0(3x - B_0) \right)}$
Ans 3:-	for Second order-reaction of like:
2 747	A+B -> P Integrated rate law is:
- A X	Carried source source land 18:
2 2	K+ - In [A] (CB] -x)
	[B][A]_ ([A]x) (B]_
1,1	Here, A represents (H3(0002H5 & B represents

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2)	Fox [0s:-
	(0.21dm3mol's-1) x (100) - 1 (n/0.20/0.03-x)
	(0.030-0.20) 0.03 (0.20-x)
	dm3met L
	A STATE OF THE PARTY OF THE PAR
	2.1.dm3mot-1 = 2.303 /og/6.66 (0.03-K)
	(-0.17motdm-3) ((0.20-x))
- (1	
	-2.1 dm3 mot = Rof (6.66 (0.03-X)
	13.54 dm3 mol-1 (0.20-x)
	-0.155 = lof (6.66 (0.03-x))
	0.20-x
	In the Control of the
	$0.699 = 6.66 \left(0.03 - x \right)$
	0.20-x
	6.104 = 0.03-x
	0.20-X
	Provide the state of the state
	0.104 (0.20-x) = 0.03-x
	0.0208-0.104x-0.03-x
	x-0.104x = 0.03-0.0208

0.0708-0.104x -0.03-x x-0.104x -0.03-0.0208 0.896x -0.0093. x=0.010 moldm3.

Conc. of ester after 10s - 0.20 moldm-3 - 0.010moldin3
= 0.19moldm-3.

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(b) (ex lominutes:	
Ca	0.21 dm3 mol-15-1) × (6005) = -(13.54dm3mol-1) log (6.66/	0:03-x
		0·2-n
	- 126dro3 most-1 100 / 666 (62 4 1)	

$$\frac{-126 dm^{3} mot^{-1}}{13.54 dm^{3} mot^{-1}} = \frac{\log \left(6.66 \left(0.03 - n\right)\right)}{0.2 - n}$$

$$-9.30 - \log \left(\frac{6.66}{0.03-n} \right)$$

$$+5.01 \times 10^{-10} = 6.66 \left(\frac{0.03 - x}{0.2 - x} \right)$$

$$0.75 \times 10^{-10} = \left(\frac{0.03 - x}{0.2 - x}\right)$$

said in this

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Ans 4 !-	A seaction with -order in A has the following rate law:
	$\frac{-d(A)}{dA} = k(A)^n \text{SO} \frac{d(A)}{(A)^n} = -kdA - [A]^{-n}d(A)$
	Integration yields
	(A)'-" (A) = - Kt
i ju	let +1/3 be the time at which [A] = [A]o/3.
	50, - K+1/3 = (1/3 [A]0) - [A]0 - n.
	$= \left(\frac{A_0}{3}\right)^{1-n} \left(\frac{1}{3}\right)^{1-n} $
1	and $41/3 = \frac{3^{m-1} - 1}{1/(m-1)} (A)_0^{1-m}$
	K(n-1)
Ans 5	$\frac{\ln k_2}{K_1} = \frac{-E_0}{R} \left[\frac{1}{\overline{2}} - \frac{1}{\overline{1}} \right]$
	$\frac{-R\ln k_2/k_1}{\sqrt{2}} = \frac{1}{\sqrt{2}} - \frac{1}{\sqrt{2}}$
	Ea 2 9
154. 150	$\frac{1}{T_1} - \frac{R(n k_2/k_1)}{T_2}$
	ZEBRONICS.

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	Ea-T, Rln 13/14)	
No. display and a superior of the superior of	La I	
entroyeurszen maturismuchtur		
A STATE OF THE PARTY OF THE PAR	To Ea Ti	
	Ea-T,Rlnk2/k,	
	To = (1,54,000 J/mol) x (290+273.15	(K)
	154000 J/mol - (290+273-15K)(8	314 J/molk) (n /3.20410-45-1
The section of the se		3.50×10-45.1
	= 86795100 J/mol.K	
	152844.19 J/mol	
	567.40 K.	
Ans 6:-	The first order half life is related - by! life is related - life is related - till k = end - 0.0212461	lo rate constant
The state of the s	1/2= ln2/k so k-en2	1 - 3
	t1/2	4 %
Control of the Contro	1/2 1/2 22-14 1/2	
The second secon	88.19	10) liani
	The Internation and	124
	The Integrated sale law tells us	The second
The second secon	[1058] = [9058] 0 C - Rt 50 m - moe	_Kŧ
The second secon	Moe	
	Where m is the mass of 90 Sx.	
		400 (t)

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(a)	After 15 year: m = (2.0 µg) × exp (-0.03134-1 × 154)
	= 1.25 µg.
(b)	After 60 year:
	m= (2.0 µg) x exp (-0.0313y-1 x 60y) 2 0.3057 µg
	V 0.20 K