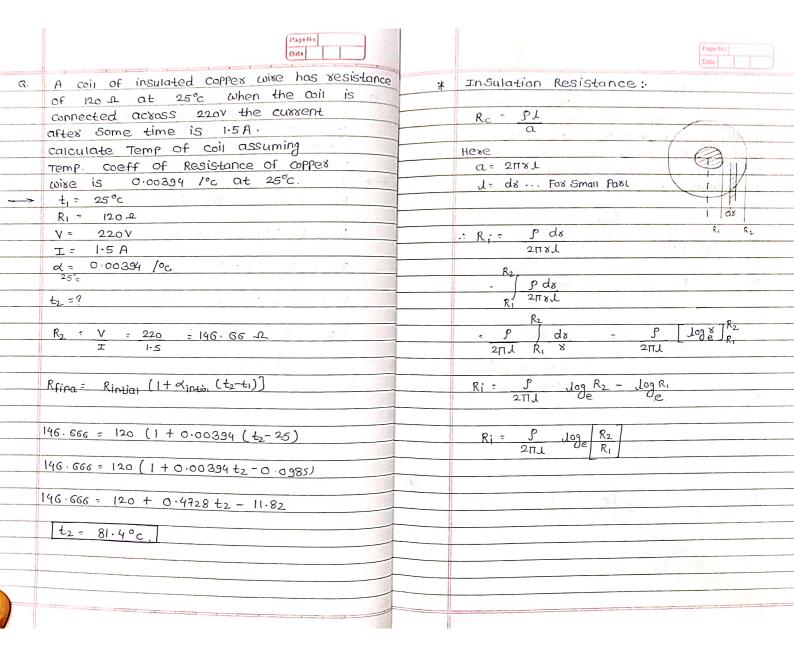
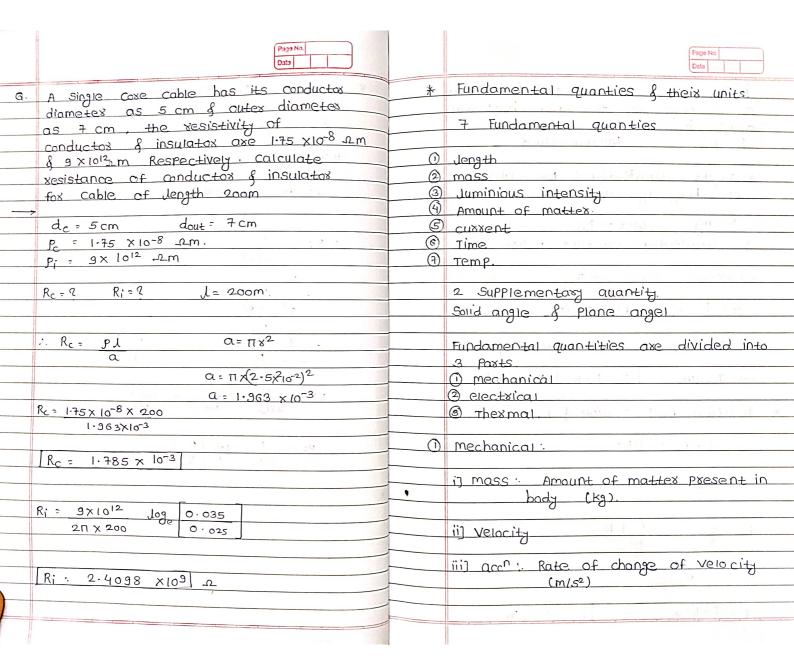
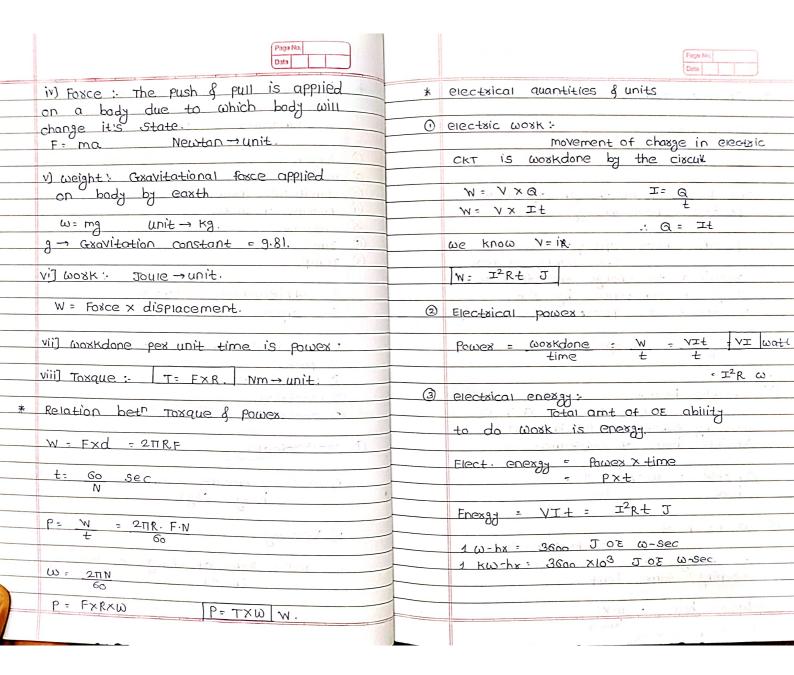
22-21.

	· ·		
	Page No.		Page No. Date
		*	case 1: from to to to
	: dt : Slope of Graph /°c.		Legis de la companya
	Rat toc		$R_2 = R_1 \left( 1 + \alpha_1 \cdot (t_2 - t_1) \right) - 0$
	and the same of th		
*	Use of RTC to calculate Resistance at		A CONTRACTOR OF THE CONTRACTOR
	+° C.	*	case 2: from to to to
		- /'	
			$R_1 = R_2 (1+d_2 (t_1-t_2)) - 2$
	t <sub>1</sub> ·Ro		
			Divide can 10 by Ro & ean 10 by R,
	R,-Ro = t,do Ro		and armosomethic and a second second
			1= R1 (1+0, (+2-+1)) - 3
	Ri = Ro + tido Ro		want R2 x 10 Huss pack at house
			and the state of the
	:. R1= R0 (1+ x0t1)		1: R2 (1+ 02(+1-+2)) - (4)
			R <sub>1</sub>
	If Ri= Resistance Value at toc		
2011	Rt,= −11− at t°c		R2 = 1 + d1 (t2-t1) - 5 Fxom 3.
	and the property of the state o		Ri
	$\alpha_1 = \frac{Rt - R_1}{t - t_1}$ $\alpha_1 = \frac{Rt - R_1}{R_1 \cdot \Delta t}$		LANGE CONTRACTOR
	RI. Dt		R2 = 1 A G
	R <sub>I</sub>		R1 1+02(t1-t2)
			+ E F + 1(4 1) 12/2
	α, R, Dt = Rt-R,		Contract Contract
	. 0, - 0, 1, 0, 0, 1		1+a,(t2-t1) = 1
	Rt = R1+ x1, R1DL		(+d2(t1-t2)
	: Rt= R, (1+0,0t)		Aftex further solving.
	MC   M   C   M   D		
	Rein a Di		α2 = α1 & α1 = α2 1+α1(t2-t1) 1+α2(t1-t2)
	Rfinal = Rintial (1+ xintial Dt)		1+ a,(t2-t1) 1+a2(t1-t2)
KK			
	Effect of Temp on RTC		The state of the s
	Temp 111 RTC 111 (Always).		The state of the s
S. Carrie	0.9.		

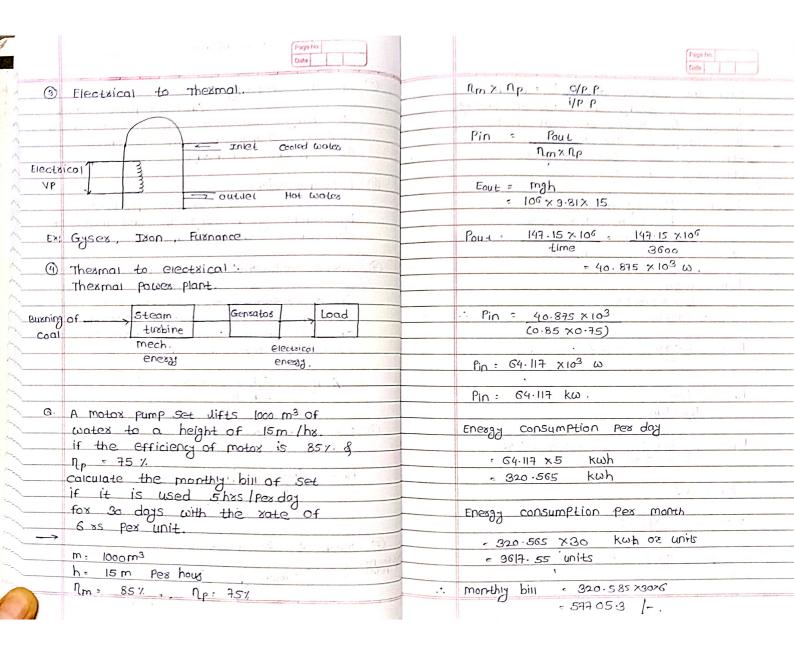
	Paga No. Date		Page Ho. Date
7-h			ot tre
dinal dintial		Q.	A coil has Resistance of 50 so at
1+ dintial	.Dt		25°c when it's temp is increased to
			100°c resistance increases to 70 s.
* RTC at tic of Res	istivity.		calculate Resistance temp, coeff of
* RIC Ut			25°, 100°, & 0°c.
d1 = (St - S1) /0		$\rightarrow$	R, = 50 2 at t1 = 25°c
(t-t1)/C	4 7 4 - 11		R2 = 701 at t2 = 100°C
8,			8 0 1 1 1
V	S. It opinion that		R2 = R1 (1+4, (+2-+1))
of the Temp. Coeff. o			A
aluminium is 0 - 00 39 34			70 = 50 (1+ d,75)
colculate temp, coeff.	of xesistance		
21 70°C & 100°C			70 = 50 + 3750d,
at 70°C & 100°C.			
	1.2		4 <sub>15</sub> = 5.333 ×10 <sup>-3</sup> /°c
			2.1. 2
270, 2100 = ?	. ra. in		
	, 1 - 1 - 1000-		((A+,x) 2.00 + 1 - 1 - 1
offinal = ofintial			
1+dintial. Ot	9 3		
	, 12 12 12 12 12 12 12 12 12 12 12 12 12		fer by result it is a se
1+0.003934x (5	0-30)		THE DOLL THE DELICATION OF THE
	2 15 2 A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
· 0.00399/°c	100		11. 000 But C 19.3 C - 1 0.
7 5	0.78		
100	13		5° P - Ia
d100 = 0.003934			
1+0.003934x (100	-30)		
3.08 ×10-3 /°C			







	Paga No. Data		defination, formula 8 unit.  Page 110.  Data
*	Thexmal quantities of units.	5	specific enthalpy: (L)
	Heat energy: $H = J^2 R + J$		Amt of heat sequire to change the State of 1 kg of Substance without Change in temp is known as specific enthalpy
~ ~ ~ @	The flow current through any material.  Produces heat energy.  Specific heat capacity:  The quantity of heat	6	Caloxific Value:  Amt of heat produce  by completly burning the unit mass of substance (kJ/kg.) - unit.
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	xequixed to change the temp of  I kg of substance by 1° k  is known as specific heat capacity	7	in a containex the containex is heated in a containex the containex is also heated to take in account
^	c= Q J/kg-°k,		of this heat water equivalent of container must be known.
	Sensible heat:  Amt of heat Gain OE		7. N = 0/P P X 100, I/P P
·	Jost by Substance is known as sensible heat of Substance	0	Electrical to mechanical conversion:
	Sensible = mcat J · hent		Pin motos   rump > difiting of water
4	latent heat!		10 THE STATE OF TH
	to change the State of Substance keeping Same temp	Hjdso Pou Piant	Mech to electrical.  Ser  Turbine Genrates > 0/p enex.3)
	Latent heat = mxl.		Joad.



Page No.			
Date			

a. Find the cussent drawn by crain motor by rising the mass of 1000 kg through the Height of 25m in 20 sec the Supply is 440 volts DC. Great efficiency is 80%. 8 motor efficiency is 70%.

Given: 1000 kg =m

h = 25 m fox 20 sec

V= 440 V

T=? Ng = 80./ Pm = 70./.

Eout = mgh = 1000 x 9.81 x 25 = 245250 J

Pout: 245250 = 12-262-5 W.

Pin = Pout Ng x Nm

Pin = 12262.5 = 21897.321 W

614

Pin = VI

21897.321= 440×I

.'. I = 49.766 A