20.4) N=25 N2= 350	30.30) L=GH, R=8R, E=5V ::
l=0.21m, 1=0.023m	
Jz=0.150A, di=1800%	a) [0w] b) U= zuz²
	$I = \frac{8}{5} = 0.625A$
a) \$0 = SOUR A = TI(\$\frac{1}{2}\$)^2	V= 1.173 = 12 25 26 20 2
Do= H. NI(T)(言)?	C) P= I2R
n= 1666.67 turns/m	P= 3.13 W
\$0=1,3×10-246	d) Pin=Pont
b) M= \(\frac{\xi_1}{\sigma_1}\) \(\xi_1'') = -N_1 \frac{\delta_2}{\delta_1}\)	[Pin= 3.13U]
E' = -N, 01 A	10 The Late Special
$ \Pi = \mathcal{H}_{\bullet} \Lambda(\Pi) \left(\frac{\partial z}{z}\right)^2 (25) $	30.36) Cmin = 4.11 pF
M= 2.18×10-5 H)	a) f = 1.68 MHz
c) \(\epsilon z = n(\(\frac{\pi_1}{\pi_1} \)	W= \tale 11-====
(Ed= 0.039V)	20 w2=1 te in a marker of
Ez= -0.039V	w²= te morario di l= wte
1 1 1 2 2 1 × 500 2 , 2 7 1	w= 271 + 11 = 200) 11 / 6+0"
30.11) L=5cm=0,05m 12.	L= 4740 - 1 - 2011
0= 0.150m->r=7.5×10-4m	L=0.00218H)
N=50	b) f= 0.538 mHz
L= -H. n2 a2 11 x = -	w=271f
n= 1000 hms/m	w= Jic as = 00
L=Hon2r2Til	w= 2716 w= Jtc 222 41742= tc
L= 1,11×10-7H)	Cmax = 4Trile
	(max = 4.01×10-11F)
(19) G=4.30T	1 From File File
V= 15cm3 = 1.5×105m3	30.40) L=0.8004, C=34F, R=35052
U= SuoDV = uoV	a = 2.8×104C
UD = 02	a) q= Ae (R/2) + cos (\ta - 5 + + + +)
un=7.36×106	2.8×10=4 C == Acoso = 1=1 = = = = =
U=110,35 J	A= 2,8×104C)
	b) \$\phi = O rads \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	C) W-Jti- ====
	T= 27

d) t= 0.01035 1 1 1	b) 1,=12 Qt=0	
2= Ae-(Rhi)tos(Jit-nit)	b) 1=12 Qt=0 12=3.69A	
9= 2.94×10-5C	c) [1=0]	
The statute of I	d) 11:0	
30.45) B=0.47	I= 6A)	
 (= 25000km= 2.5×107m	e) (OA)	
g= 3×10 4 51m2	f) (GA)	
U= JupoV=upV	g) É-Riin-Rziz ZO	
Up= 63661.98 5/m3	D: - 1 01-	
40=63661.98 J/m3	8-Rill-Lat-0	
40/2 = 2muz (3/0)	$\frac{\mathcal{E}-Log}{R_1}$	
m= gV	12 = 1	
12un = V	$\frac{R_{2}R_{1}}{R_{2}} = 0$ $\frac{E-L_{0}R_{1}}{R_{2}}$ $\frac{R_{2}}{R_{2}}$ $\frac{R_{3}}{R_{2}} = \frac{R_{2}}{R_{2}}$ $\frac{R_{3}}{R_{2}} = \frac{R_{3}}{R_{2}}$ $\frac{R_{4}}{R_{4}} = \frac{R_{4}}{R_{4}}$ $\frac{R_{4}}{R_{4}} = \frac{R_{4}}{R_{4}}$	
V= 20601.27%	5-Lot 1 ot	
 L. L. T. W. L. J.	R_1 R_2 $= R_2 \xi - R_2 \frac{di}{d\xi} - R_1 L \frac{di}{d\xi}$	
30.46) a) So. 55 = H. Ienc	R, R2; = R2E-R2to - R, L ==	
B(enr) = Hoteral	Rikzi-Rz E=Lot (-Rz-Ri)	NY
B(r) = Motor = Hois	$R_{1}R_{2}:-R_{2} \mathcal{E}=L\frac{di}{dt}\left(-R_{2}-R_{1}\right)$ $\frac{di}{dt}=\frac{-R_{2}\left(R_{1}:-\varepsilon\right)}{L\left(R_{1}+R_{2}\right)}$ $\frac{di}{(r_{1}:-\varepsilon)}=\frac{-R_{2}}{L\left(R_{1}+R_{2}\right)}dL$	
b) 0\$n= 0.94		
dr=ldr	u=R,i-E, du=R,	
ODB - To ldr	$\frac{1}{R_{i}} \ln \left R_{i}i - \xi \right = \frac{-R_{2}t}{L(R_{i}+R_{2})}$ $\ln \left R_{i}i - \xi \right = \frac{-R_{1}R_{2}t}{L(R_{1}+R_{2})}$	
 $\frac{\partial \Phi_{B} = \frac{M_{0}}{2\pi r} \log r}{\partial \rho = \frac{M_{0}}{2\pi} \log r}$	In (R, i- E) = [(R, rR2)	
δ = 4.1 (a)	Ri-E-Caras	
$ \frac{\partial}{\partial z} = \frac{4 \cdot l}{2\pi} \ln \left(\frac{1}{a}\right) $ $ \frac{\partial}{\partial z} = \frac{2\pi}{2\pi} \ln \left(\frac{1}{a}\right) $ $ \frac{\partial}{\partial z} = \frac{4 \cdot l}{2\pi} \ln \left(\frac{5}{a}\right) $	$i = \frac{2}{R_1} \left(1 - e^{\frac{1}{L(R_1 + R_2)}} \right)$	
L= - 10 (2)	1= R, (1-eca, me)	
c) U= 2LI2	en veril in the	
U= Hoil In(a)	h) i= 3A - 1 - 1	-
Charles Carried Control	(t=0.09s)	
30.52) L=0,4004, R=812, R2=51	7) Ot = (10, 10, 2) = 23.07 A/3	
E=48V 2 200 A	12= R2 - 1 - 1	
a) E=IR	$\frac{(t=0.09s)}{(t)} = \frac{-\frac{1}{2}(R_1+R_2)}{(R_1+R_2)} = 23.07 \frac{R_1}{s}$ $\frac{1}{12} = \frac{1.85 R_1}{1.85 R_2}$	_
a) E=IR I= &	(3) $(3 = 1, -12)$	7.79
Res = 13D	3A=11-1.85A	
[I=3.69A]	(i = 4.85A)	

		72 (2) 6 7(1) 9 -500 0 10 0	3
	30.60) I=3.50A,L=2.04H ()		
	a) U= ZLI2	L=4H	
	U= 1/2(2)(3.50)2	a) [OA]	
	U= 12.25 mJ + 1 (d	b) V=IR	
	U= 2012	Izo	
	6-61	V=0	
	U= 2 62	C) E=Vac+Veb	
	2LJ2 = 2 62	E=0V+V=6	
	CLI2= 62.7	Vc6=36V)	
	a=IJIC	d) Rez=Ro+ R (6) (6)	
	(a=0.35nC)	Rez=200.2	
	b) OA BORESTONA	E=RoI+RI	
	(800,000)	$I = \frac{\epsilon}{\text{Re} 2}$	
•	30.61) 18=65U, R = 4512 (12 2) = 1)	I= 0.18A)	
	Rz= 26/2, L= 0.2914	e) Vac=RoI	
	a)@t=0 (14)	Vac= 9V (5)18	
	Val = 8 = 65V 1 50 159	f) E= Vac + Veb	
	b) a) 1 = 1 = 3	E=9V + Vc6	
	c) Vcd = Vals	VII-27V	
	Ved=65V X 1 1 1 10	9) I= To (1-e-Rht)	
	d) [c] ===================================	g) $I = I_0 \left(1 - e^{-R/L^{\frac{1}{2}}} \right)$ $di = 0.180 \left(1 - e^{-t/0.020} \right)$	
	e) i=iztis -> iz=irtis	() V=(K	
	E=R,12	Si-9(1-0-t/0,020)	
	E=R2i3+L 01/2 02 = 0	1) Uch = 2-V Vch = 36-9 fle-t/0.020	
	<u> </u>	V6= 36-9 fle-6/0-20	
	Vc=0	Vcb= 9(3+e-t/0.020)	
	12R2= E		
	12= E/e, = 2.5A	30.66) a) &= 40 to + 12 to + RI th=0	
	Uals Riz	£ = 0	
	Vas = 112.5 V)	E= RI	
	f) [b]	I= &	
	9) Vod= Ub+ 12R2	I=0.6A	
	Vel= 177.5 V)		
	h) 01		
	77 2		

