## TUTORIAL-1

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			800t : E 11 + E12 + E13
	Name: Anany a Pras	and a born of the	. Slot : C.
			Subject = EEE 1001
	Reg no: 20 BCE 10093		(-)
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1	1-0		
1 4 4 Mg	a 60/	2 - 2 - 2	>> series = 5+1=6-2
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	2450		414784
	6 7 1 2 1 1 2	1 m (\$1 m. 7)	parallel with = 4+6 = 24 12
		. 1	4 6 10 L) R'
	1		6 hugi=120 Q 4 h m
	14 1 1 L	81 1 0	5
_	Pt P2		
	12 NM	- A	eat and ke a parente s
	a	₹2·12 → 1 ·	= 1 + 5 = 6
	30 62	} P3 2"	12. 12 12 1 6 20112 00 14 total " 101
	b PS RAI		
	P" = 2 1		
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	R2 and R3 in si	onie + 211-	2.00
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		6 3 2	
	2 is parallel n	with 10	
	•		D ve se some Ve
	1+1	= 5 2	
	<i>2</i> 3	6	E-25 7.
			(Engl, 2'1140) 11 . V
	serius = 10 + 6	A an d Tr	112 h = ATT MIZE = V = 1
12.1	- 10+6	= 56 2	5 01 X 5 3
	5	MAINT THEN	
		5	r v i = 20 sun te 2 4 sin n te
			() A Halps
			301 = 31X1 - 2) - 1
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	Vall =	100 - 230 x	and the state of t
**************************************		n. 0 .	V = 9311 = 3110./
	age of	, Y. 3	4
			1,

a) 
$$V_1 = I_1 R = 15 \text{ mA} \times 9 \text{ kg} = 135 \text{ V}$$

R" = 9+8=12 k 1

Req = 2 > GKA

I, = 30 mA x 6 k Ω = 15 mA

I2 = 30m A x 6 k 1 = 3 m A

12k s

1565

R' = 1941 = 5 = 1 ; 12k0

b) Power 
$$\Rightarrow$$
 P=12R = V2 = 135 × 135 = 2025 mW  
R 9 k.a.

$$R_2 = V^2 = 180 \times 180 = 540 \text{ mW}$$
 $R_2 = V^2 = 180 \times 180 = 540 \text{ mW}$ 

3

(c) Total power 
$$P = 30 \text{ mA} \times 30 \text{ mA} \times 6 \text{ k.n.} = 30 \times 10^3 \times \times$$