	0- TV1	
	6 = IXF	-
	Q = 3600 coulomb.	
	Q = 3 8 V W	
A- 70-	Vo = 12 V	
Ans 7º-	I = 2-5mA = 2.5 × 10-3 × 10 = 25 × 10-4	
	R=2	
	R= V	
	I	
	R = 12 25 × 10-4	
	R= 12×10"	
	R = 12 X 10 000 400  R = 12 X 10 000	
	R = 12 x 10000	
	2 - 3 - 3	
	R = 4800 ahms.	
1 00 -	(1) In Series	
igns 8.	Total resistance in sexies = R+R2	
	= 2+2	
	= 4010	
	Pottential difference (V) = 12V  Current (I) = V	
	Current (I) = V	
	N .	
	= 12 = 3 Ampere	
	Power = VXI = 12x3	
	= 36 Watts.	

	Topic
	10ptC
(2)	In parallel  1 + 1 = 1 (where Ra is the total reststance)  R1 R2 Ra
	R <sub>1</sub> R <sub>2</sub> R <sub>4</sub>
	$\frac{1}{2} + \frac{1}{2} = \frac{1}{Ra}$
	2 - 1 2 Ra
	Ra Ra = 10hm
	Voltage (V) = 12 V (worent (I) = V
	(workent (I) = V
	= 12 Ampere.
	Power = VX I = 18X12 = 144 W
	Ratio = 1:4
du 91-	Power Q 1 1 Resistance
	Lesser the power more is resistance
	Fox fixet lamp!-  P = (V) <sup>2</sup> R
	$R = V^2 \Rightarrow \frac{1210}{48400}$ $P \qquad \times 0$
	R=12100hm
	ROYAL

Date You want toist 6- A. - ABADD R= 308.6 ohm. Electric lamp having 40W; 220V has a The land laving law resistance will glow brighter, i. c. , lamp de the 10: -10 1 month has approximately 30 days. is secreting to data present in question, The electricity consumption of one day is iin Reference = (400×10) = 4000m ( 3 fans = (3x80x(2) = 1920 W (=) & Tobes = (6x18x6) = 648 W Total = (4000 + 1900 + 648) = 65 68 W= 6.568 KW = 8-6 units Alestrainly consumption of one month = 6-6 × 30 = . 198 unds Total cost = 198x3 = \$594 Resistance (A) = 20 1 Consent (I) = 5 A Time (+) = 30sec. Head = I'xxxt ROYA

	Topic Dats neuronament
	H = 5 × 20×30 H = 85×600
	H= 1.5 x 109 J
0-11:-	Anmeter is always connected in socies with a nesistive element there to because due to low resistance art like short circuit there are chances of ammeter to get damaged.
0:12:-	competing wires because they have low resistivity and high conductivity.
0-13:-	Tungsten metal is used as filament of electric lamps because tungeten can sustain high temperatures and it has high melting points and also has high resistivity.
017:-	When a electric charge moves against a potential difference (v) then amount of work done is:
	M=AXO - (1) (: A= M)
	Using V = IXR - (2)  Substituting 09" (1) 4(1)  P = IX+ (3) (". I = Q)
	Put (A) and (3) in (1)  W = (IXR) (IXt)  W = I^2 Rt
	W=H ("Heat produced) ROYAL