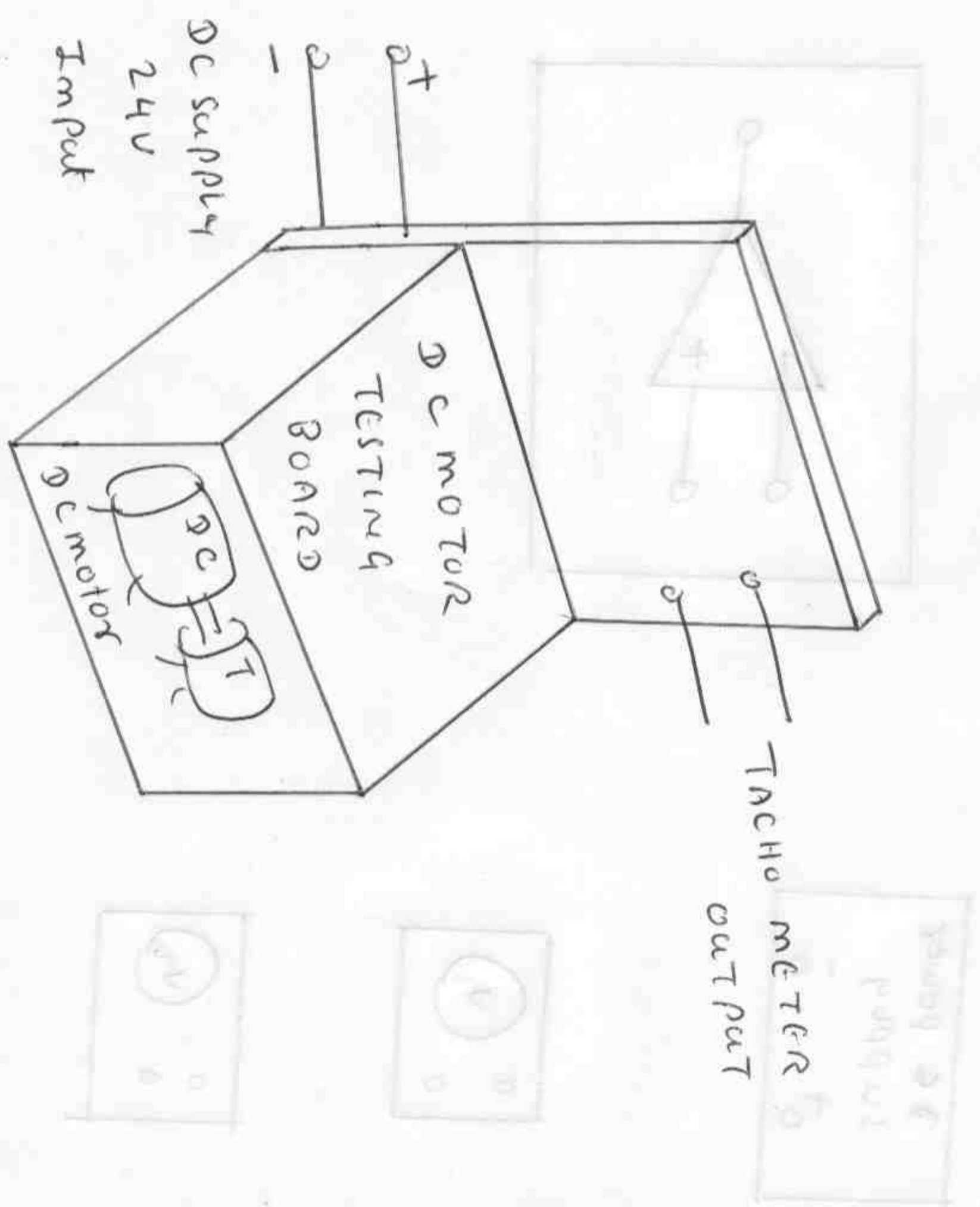
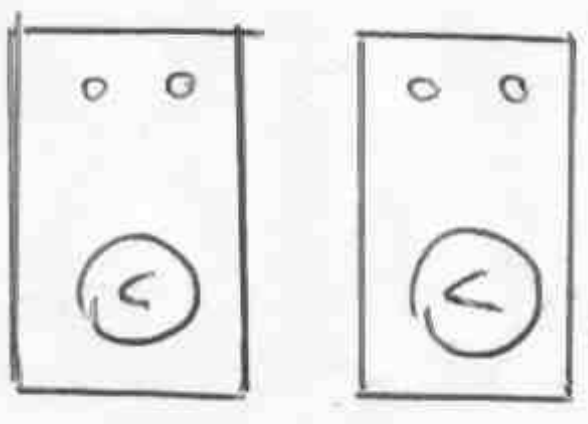
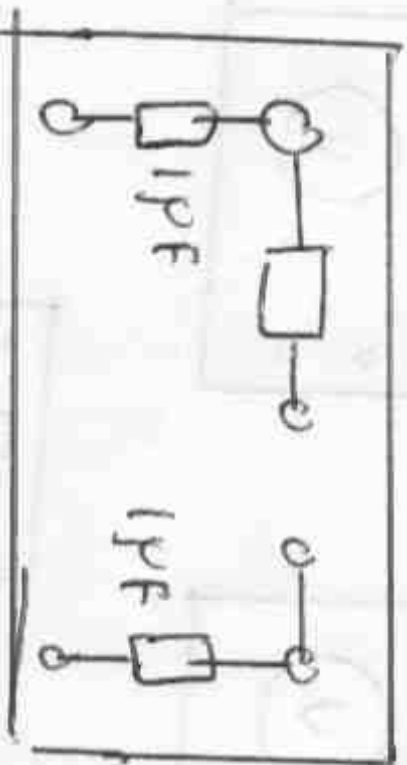
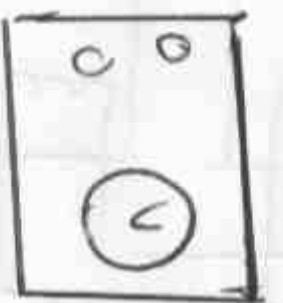
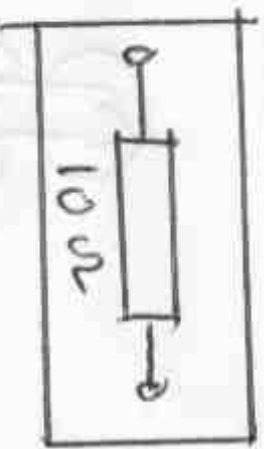
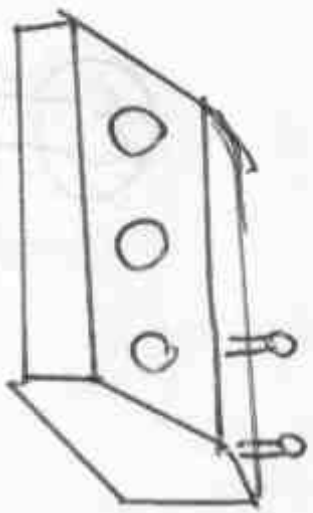
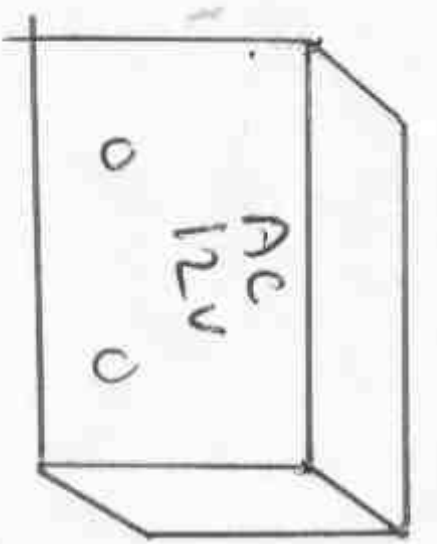


0 W
0 24V
0 BLACK

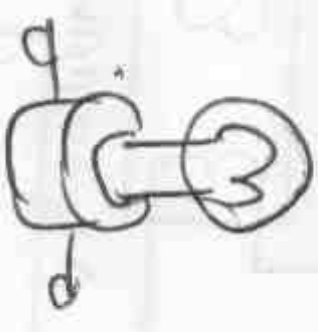
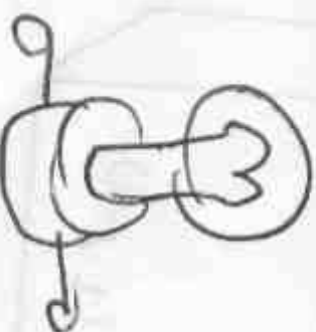
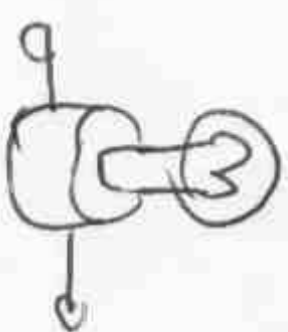


(30) / (1) Investigation of variable speed drive, tachometer transducer

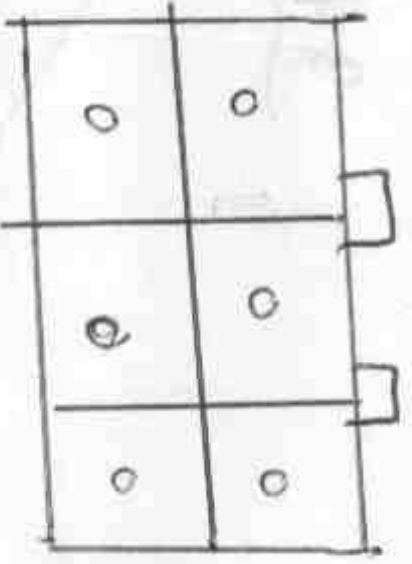
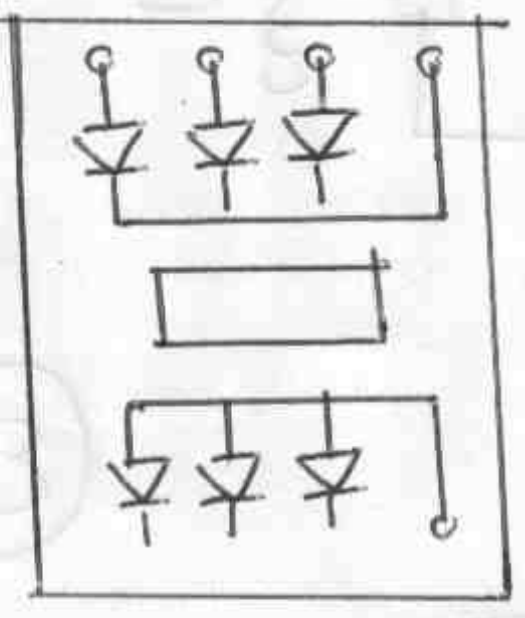
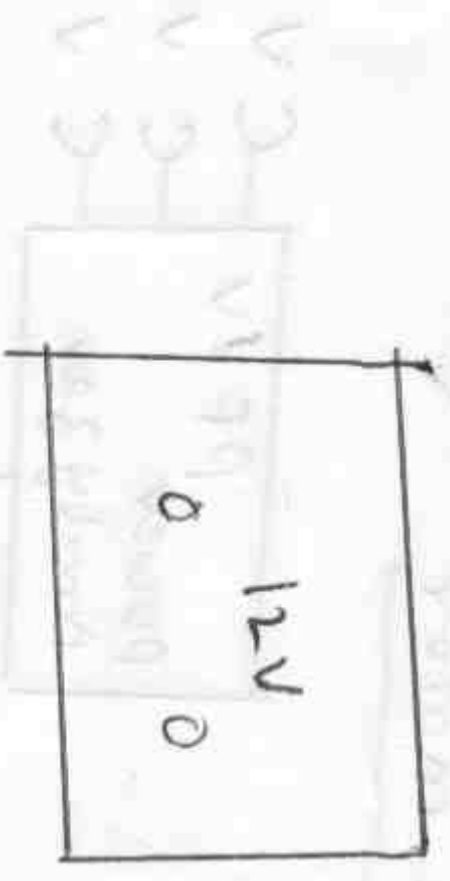


③ / ⑩ T & Π

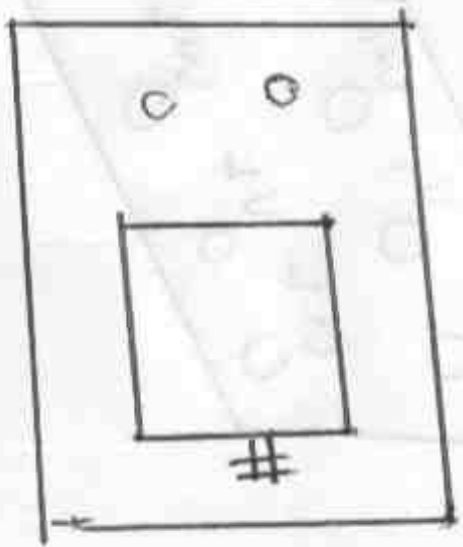
Equivalent Line



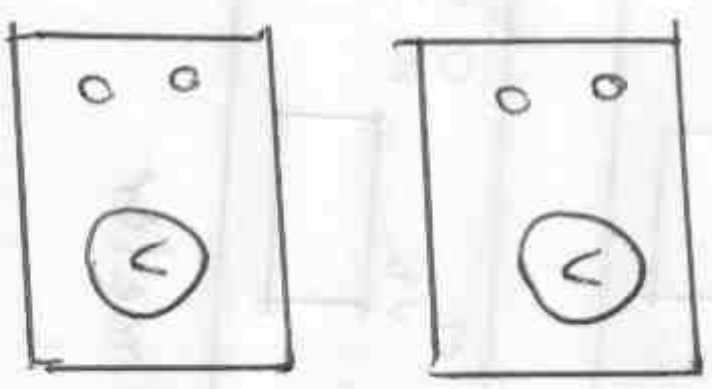
number of terminals
 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100



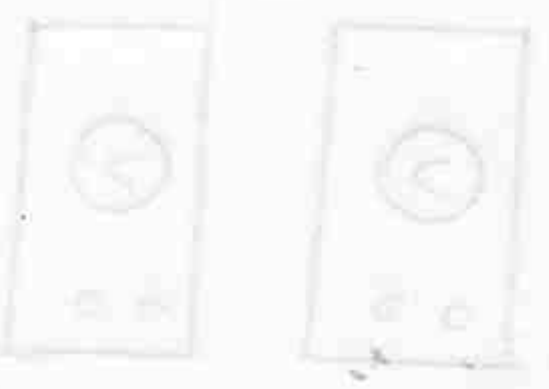
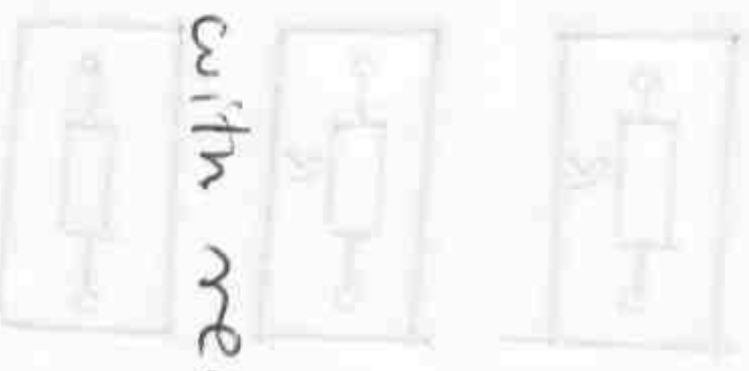
Resistor Box



DC motor

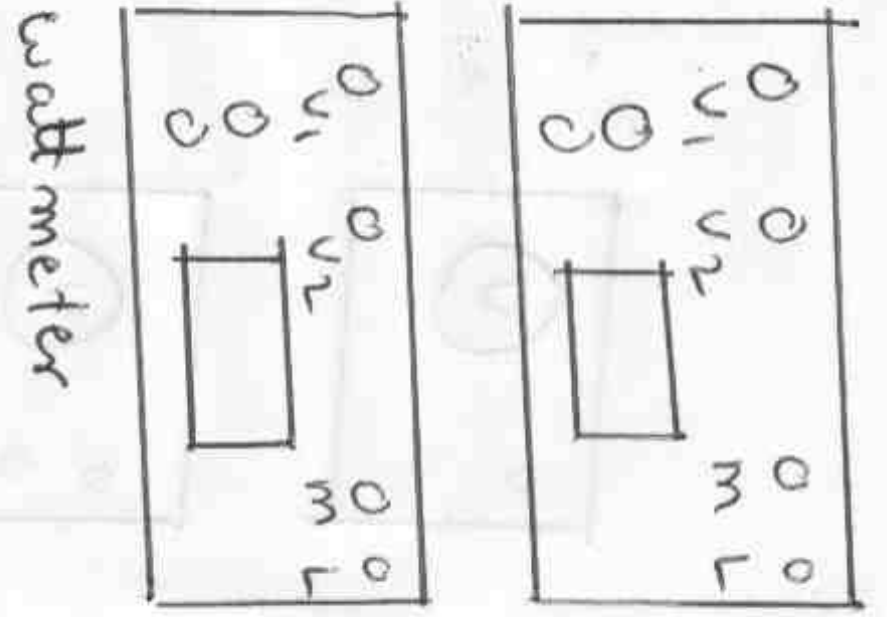
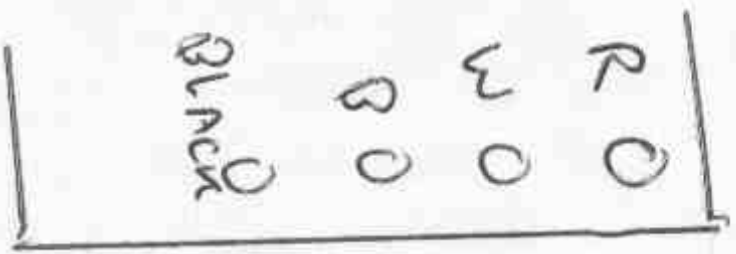


3/ 11 variable dc drive with rectifier



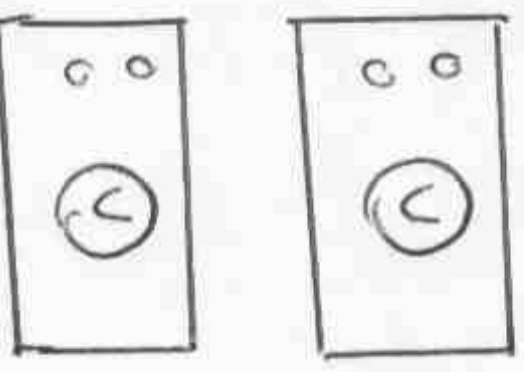
1401501 Hows out get from simulation ready for (13) (11)

(3)

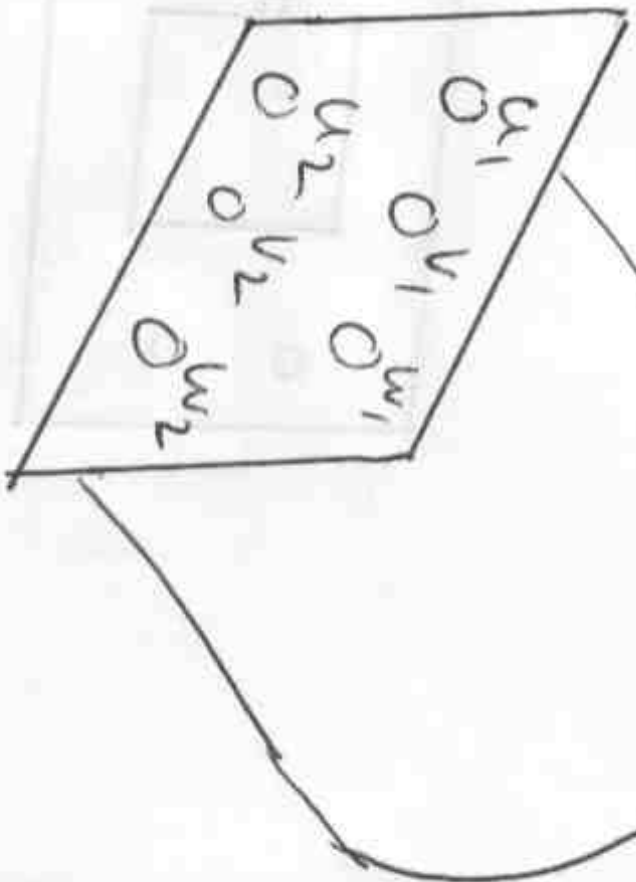
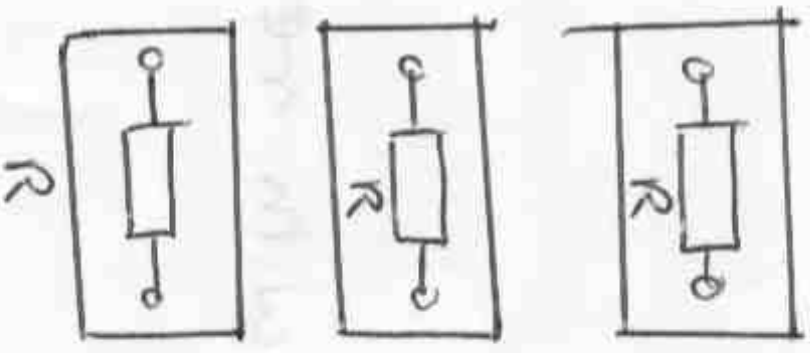


3/

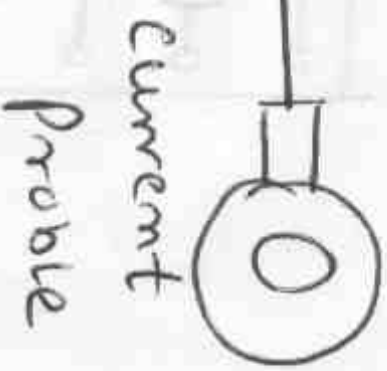
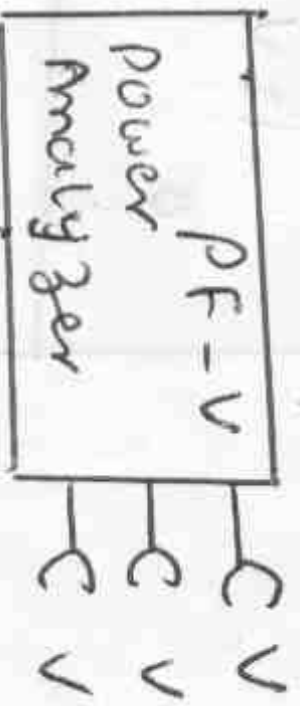
14 + 13



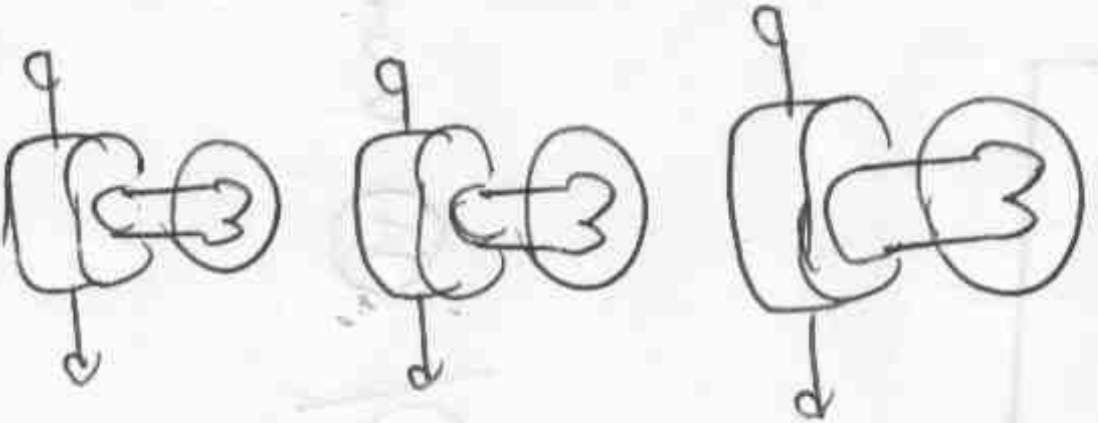
3φ power measurement by two watt meters

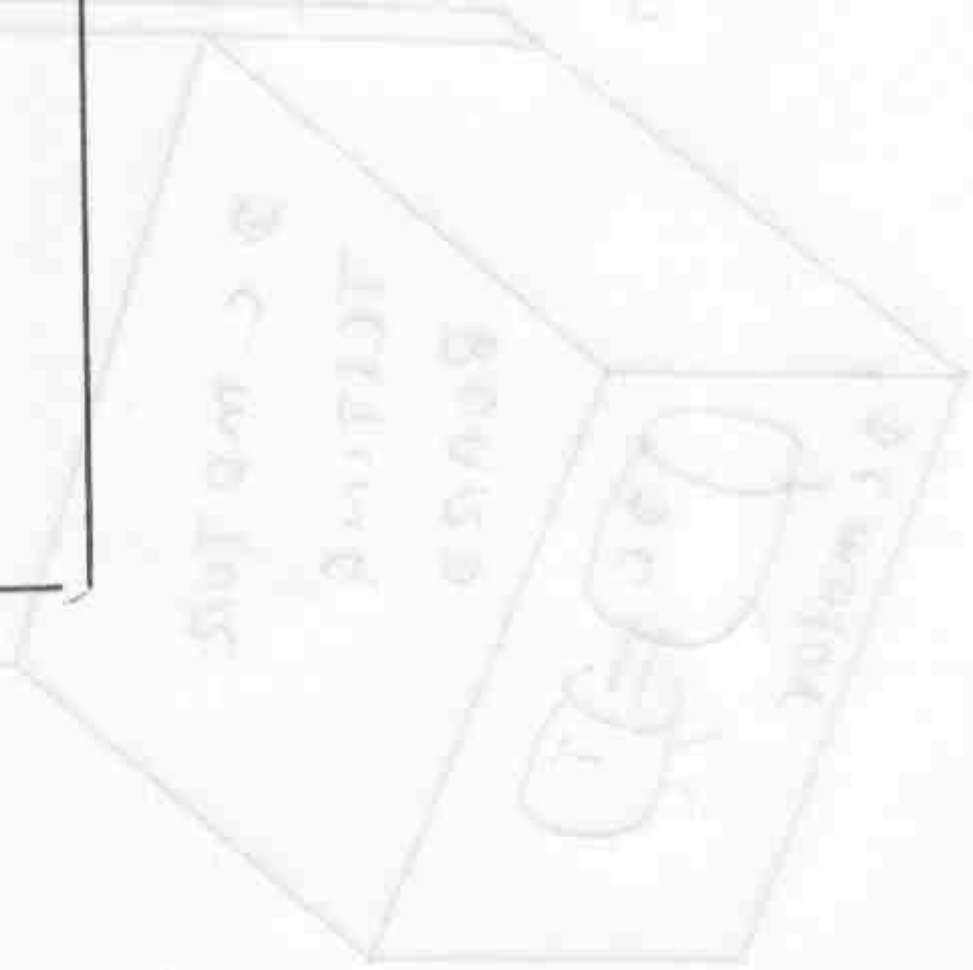
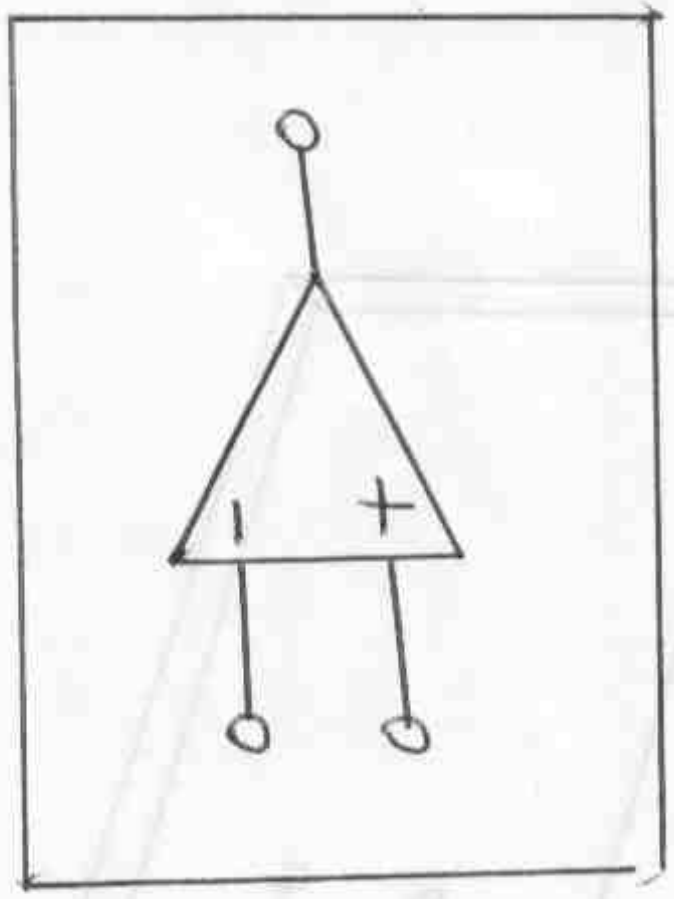
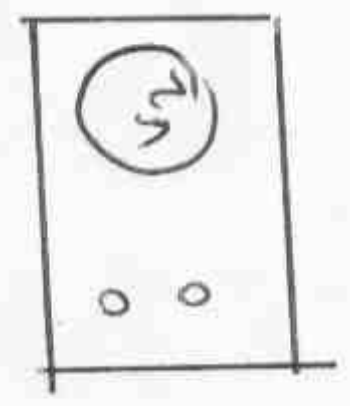
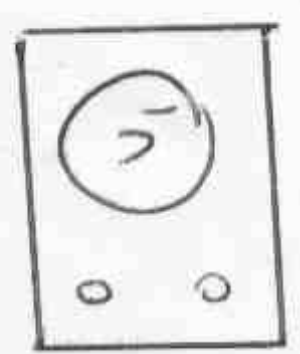
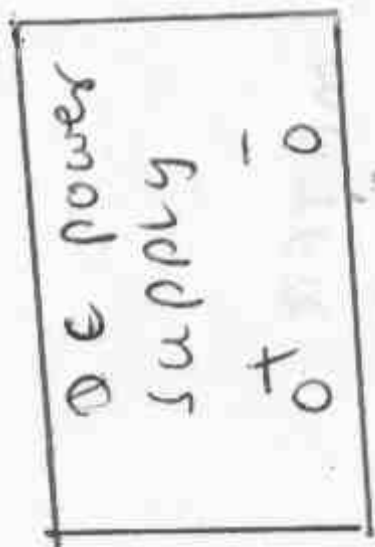


3φ Induction motor



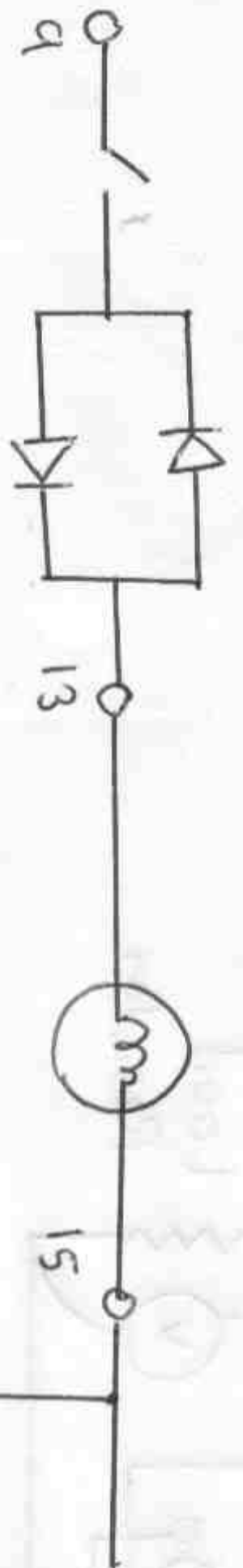
Lamps



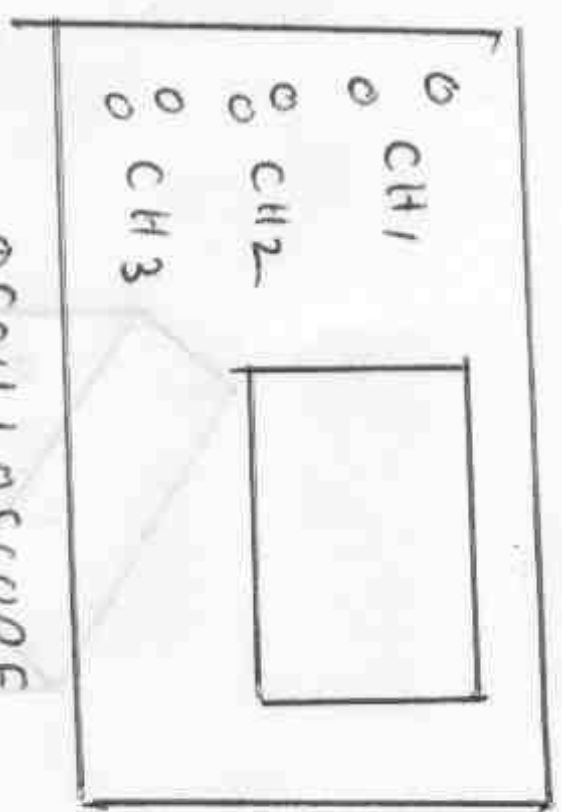
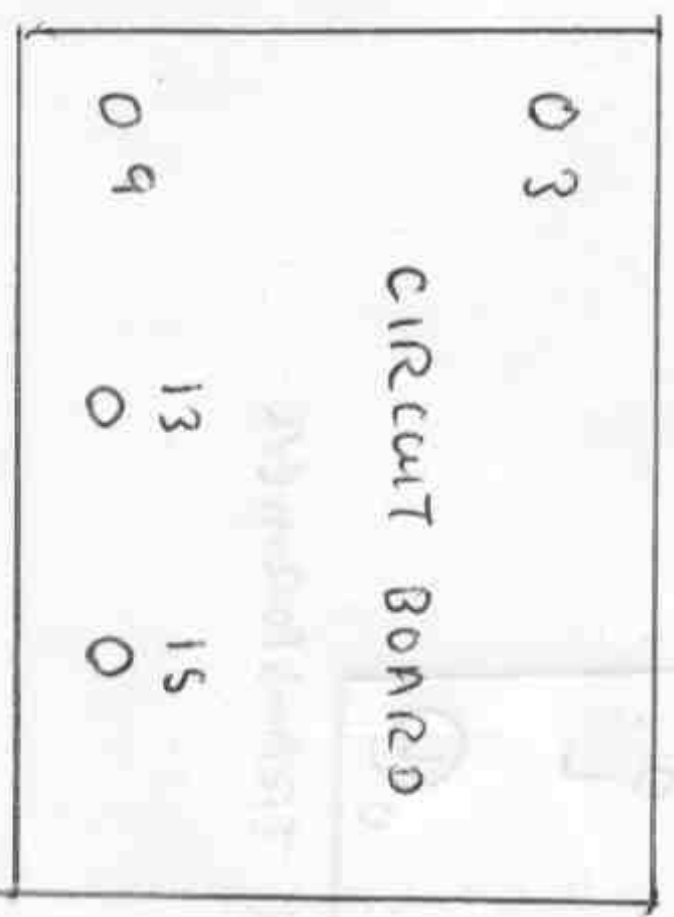
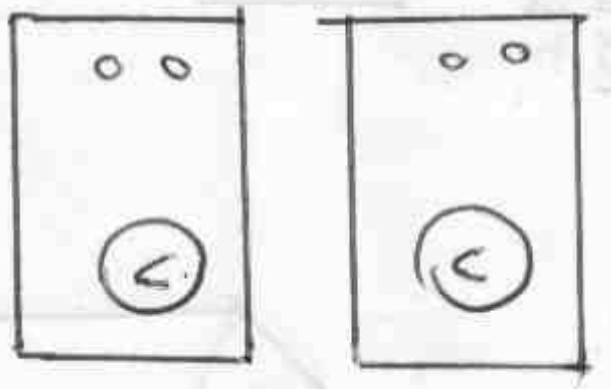
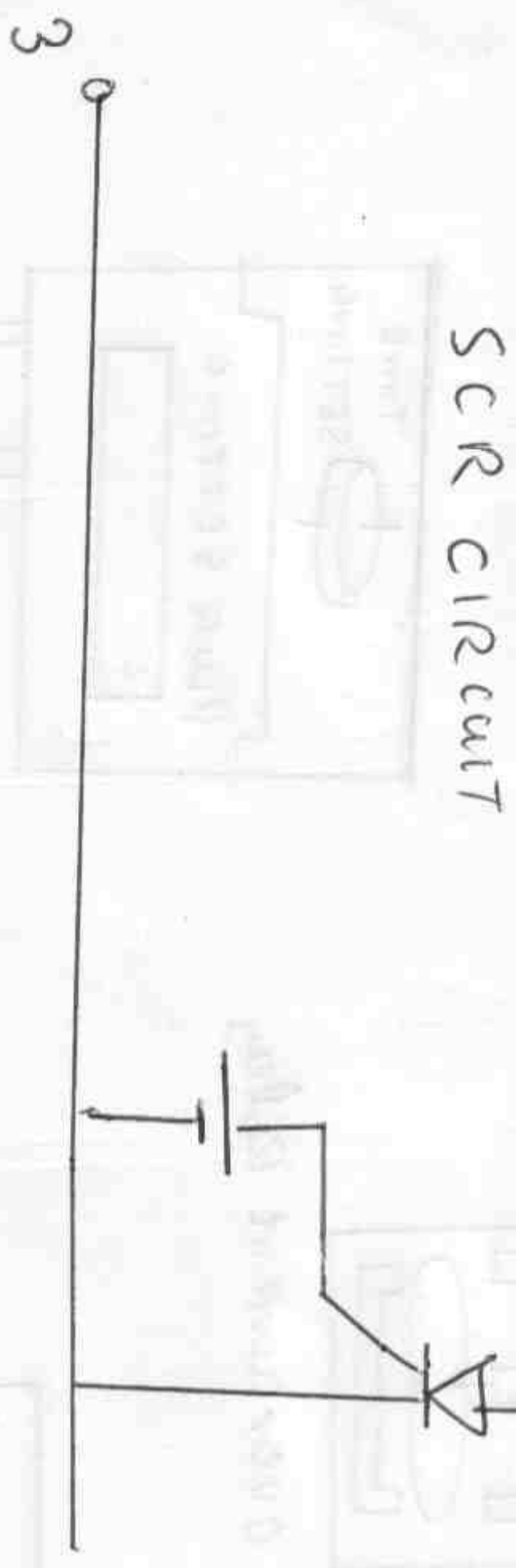


③ / ② Amplifier Gain

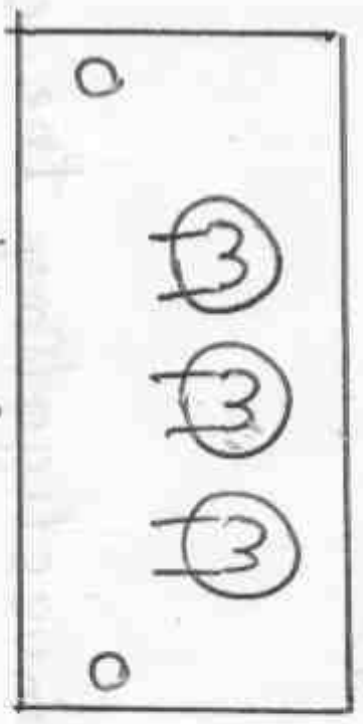
③ / ② Amplifier Gain



SCR CIRCUIT



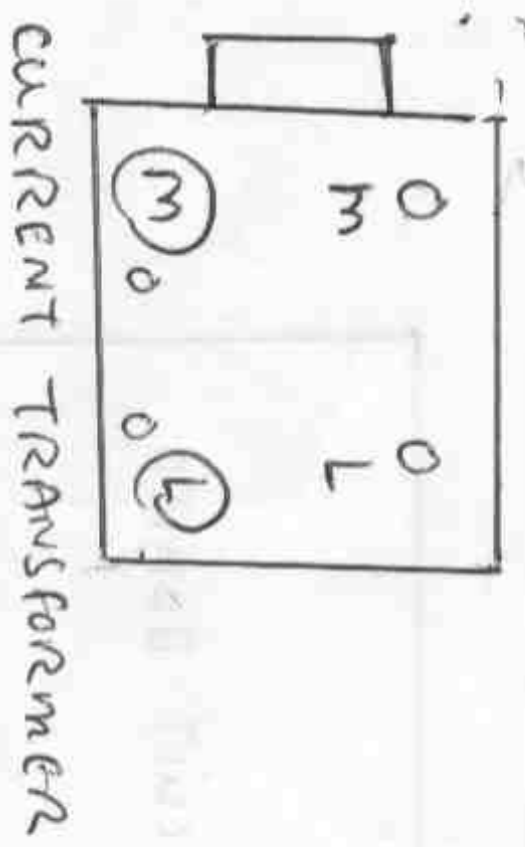
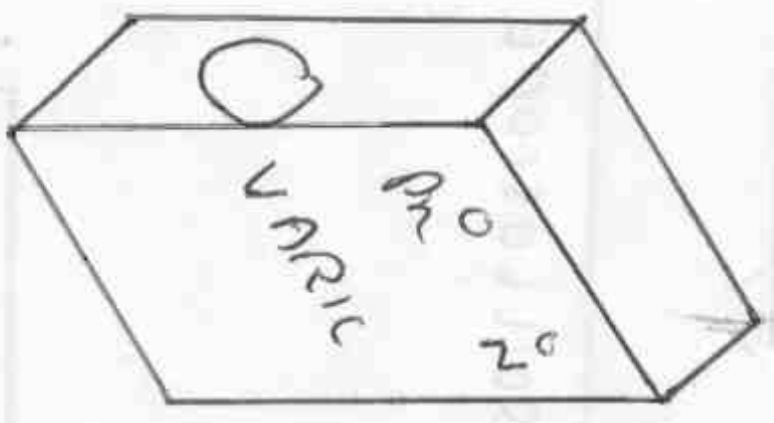
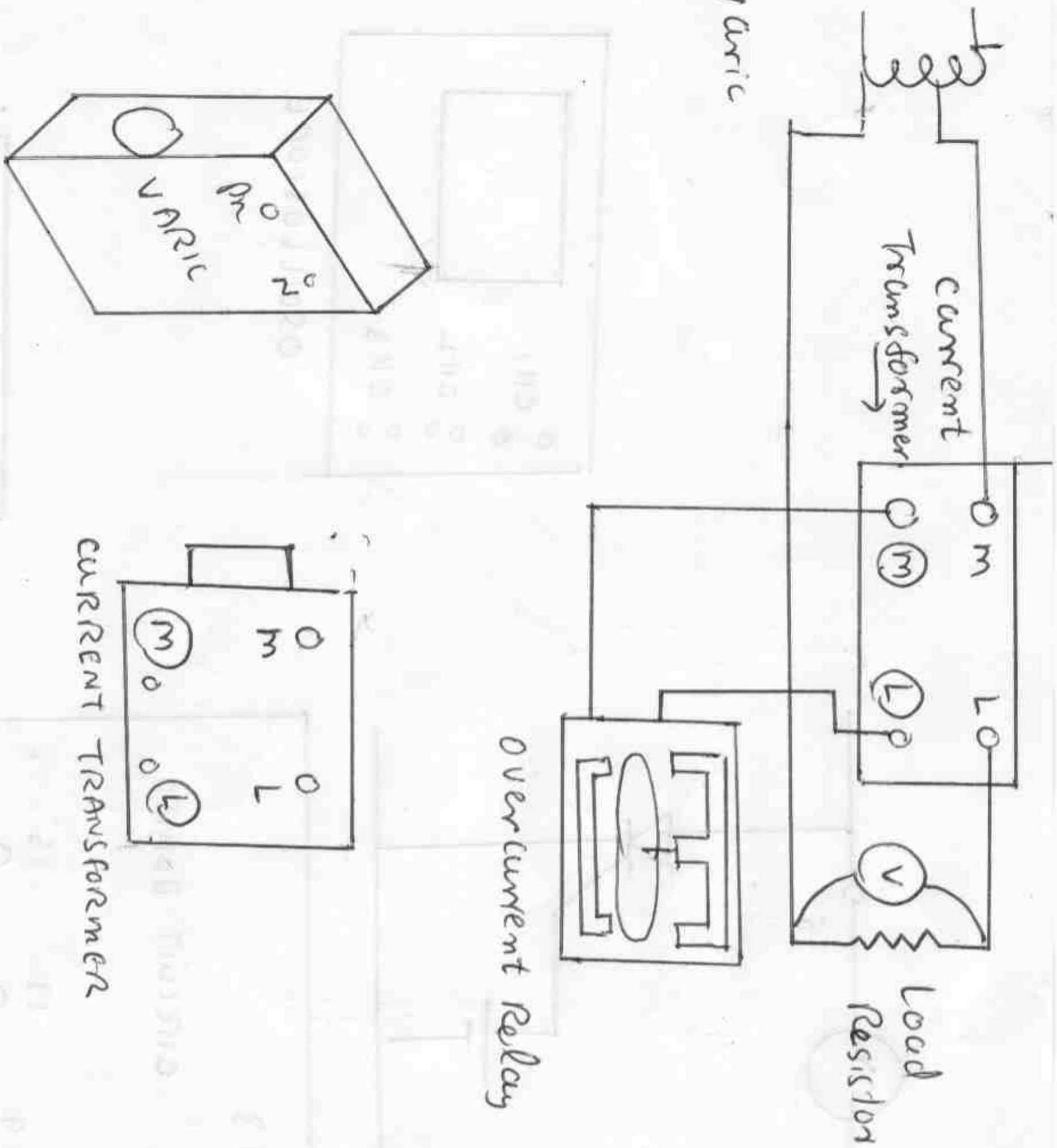
OSCILLOSCOPE



LAMP BOARD

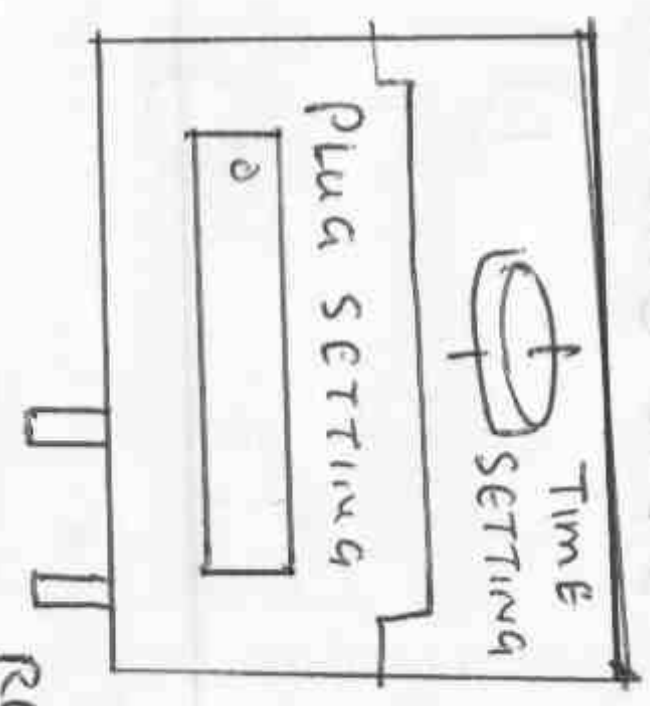
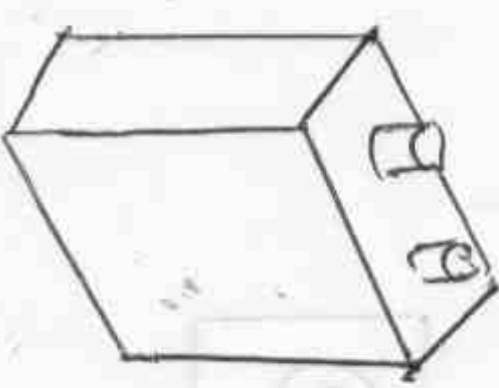
3/ 3 Investigating the characteristics of SCR

V aric



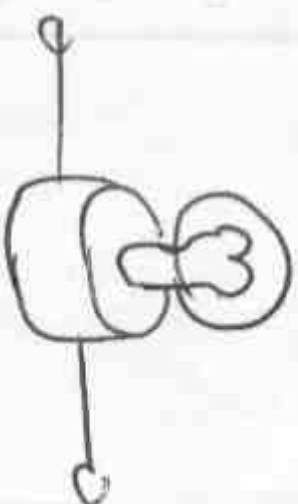
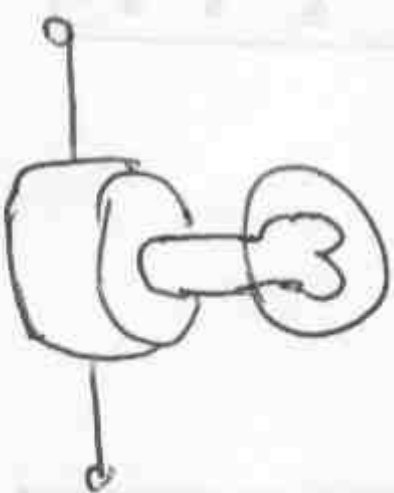
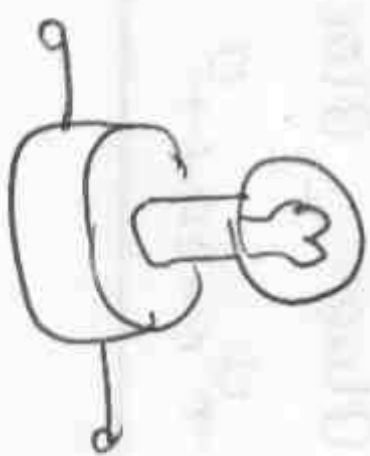
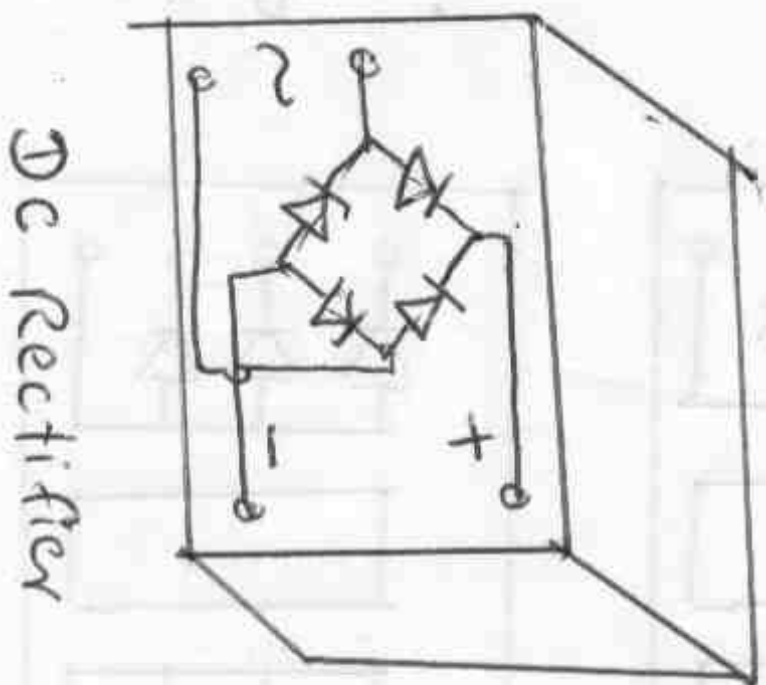
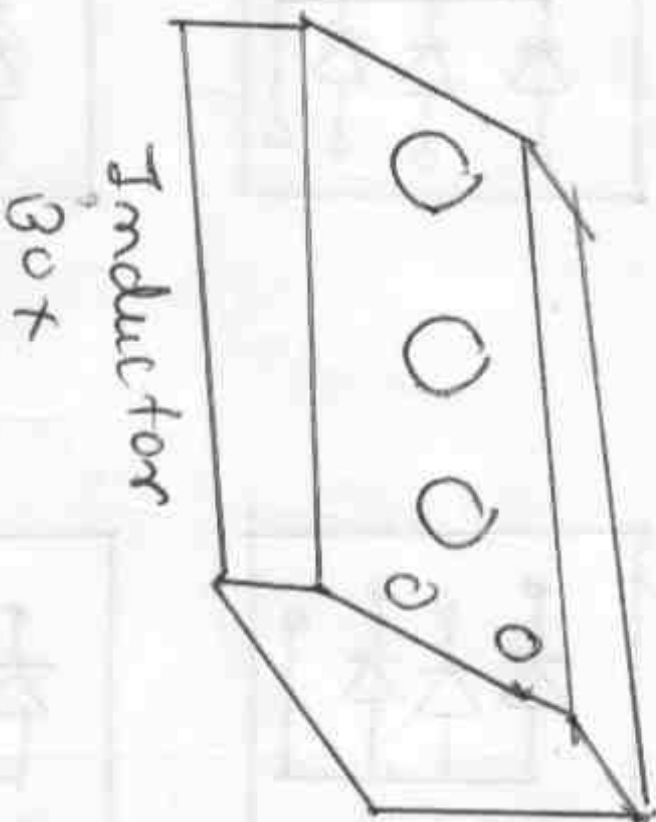
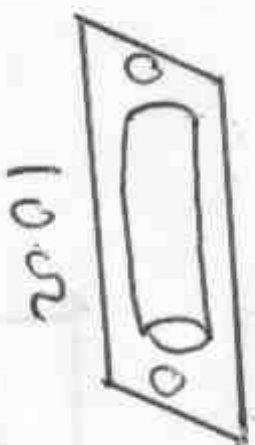
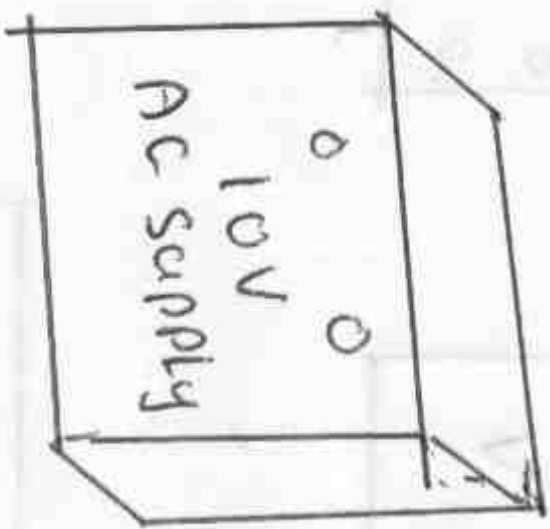
- ③ / ④ Investigating the operation of over current relay

LOAD RESISTOR

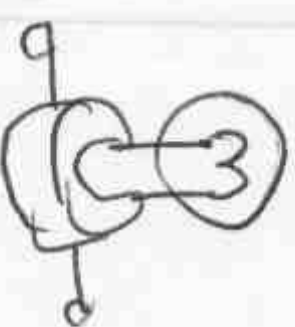
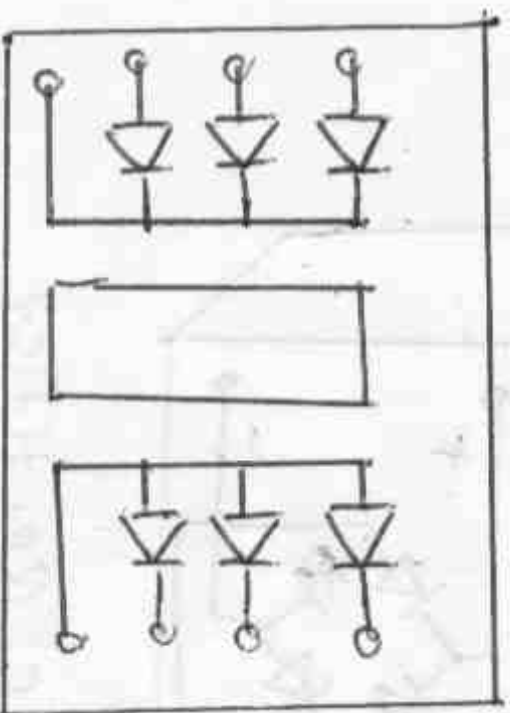
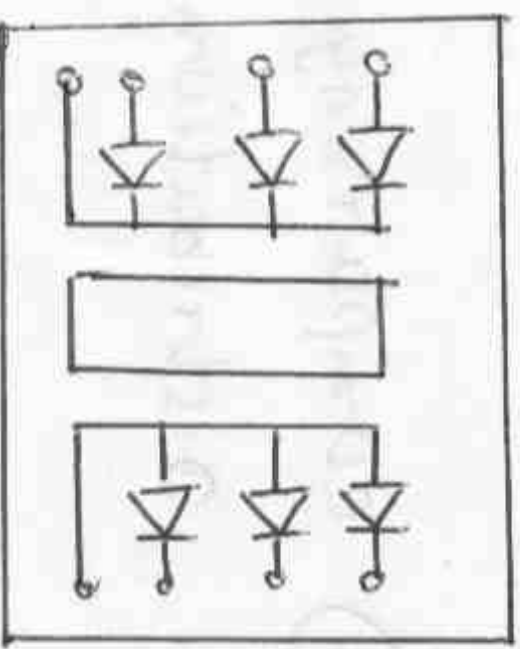
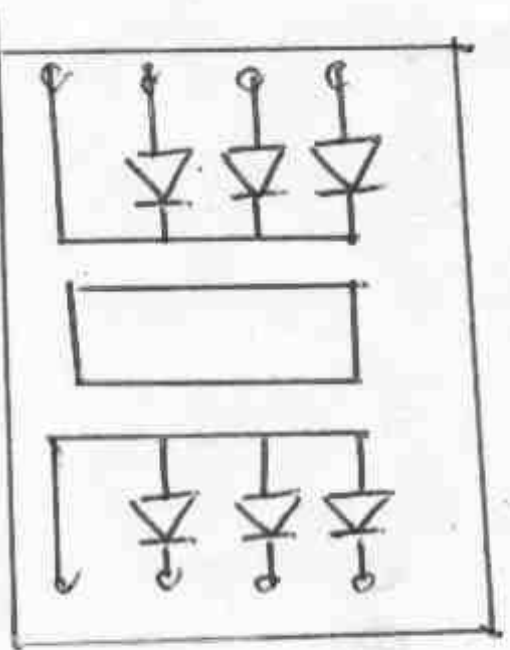
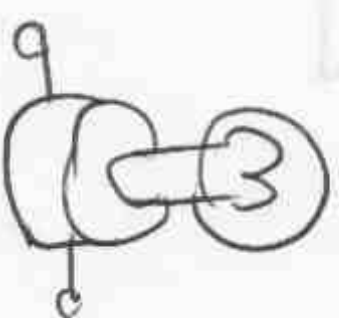
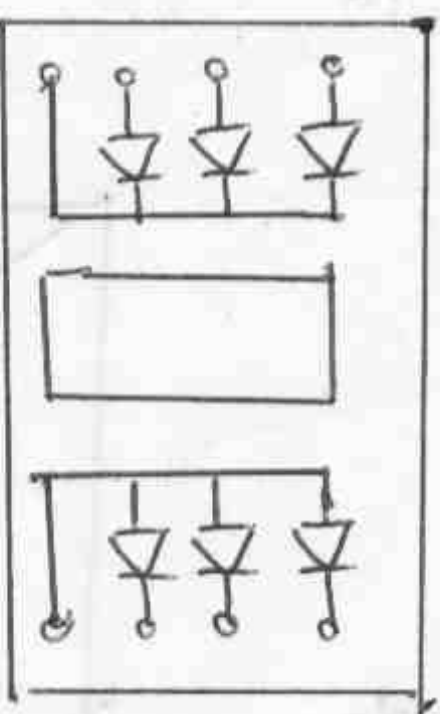
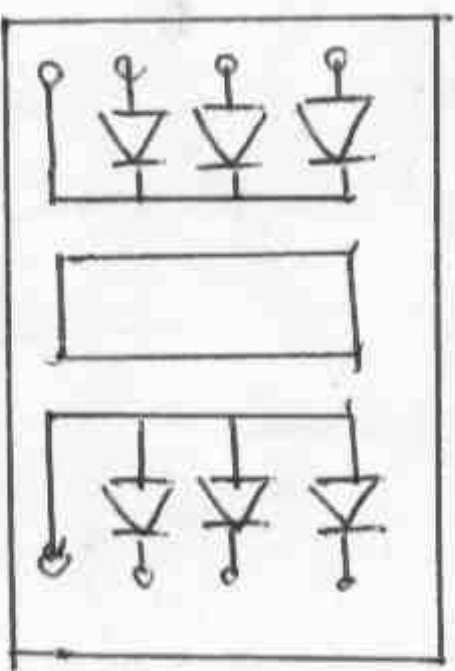
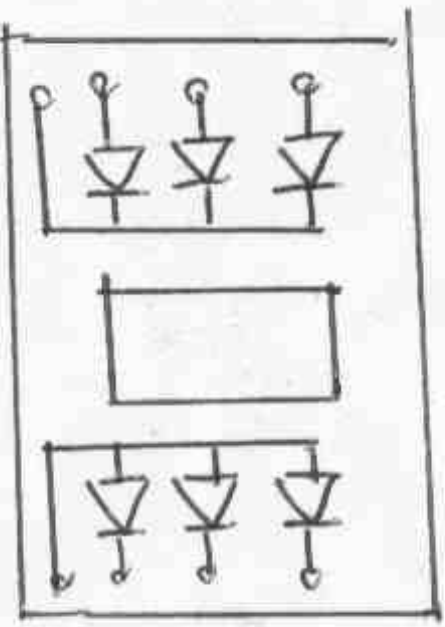
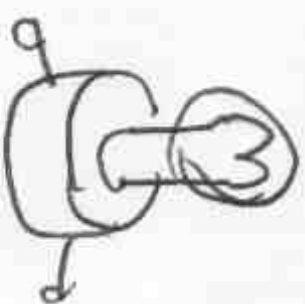
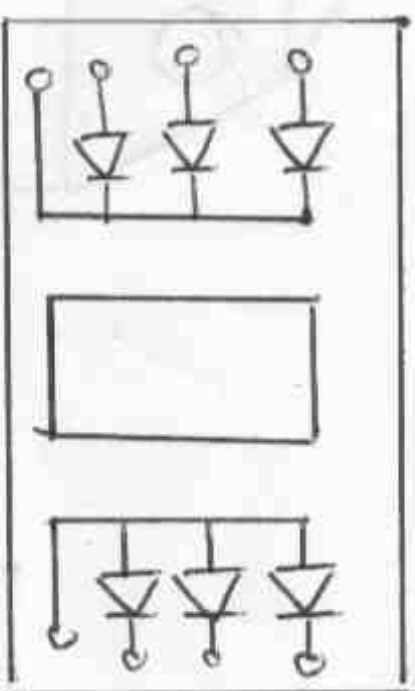
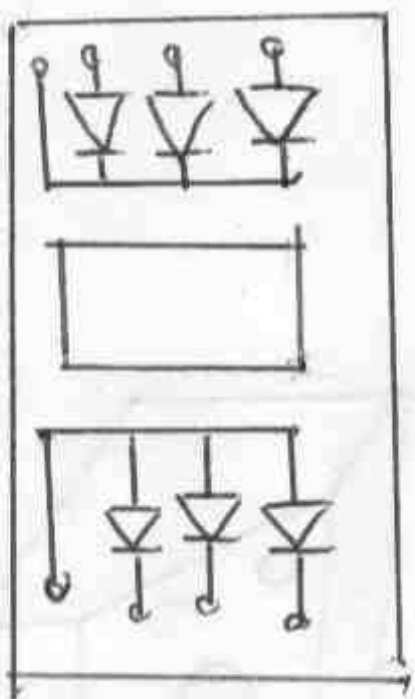
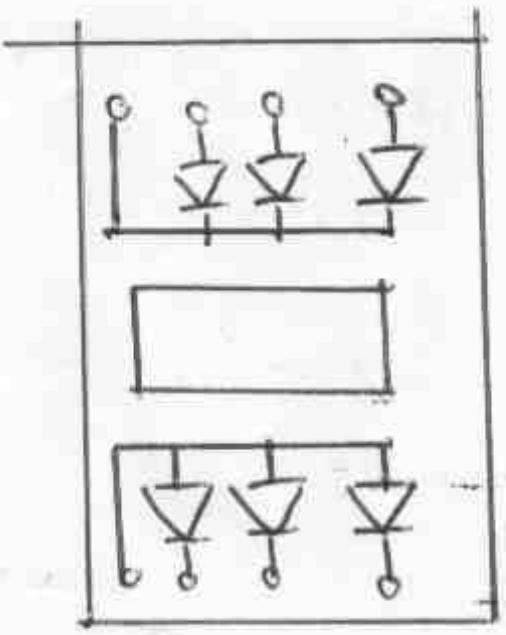
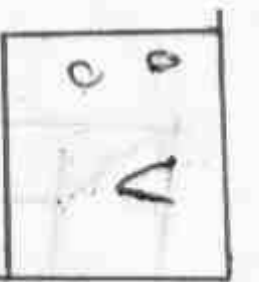
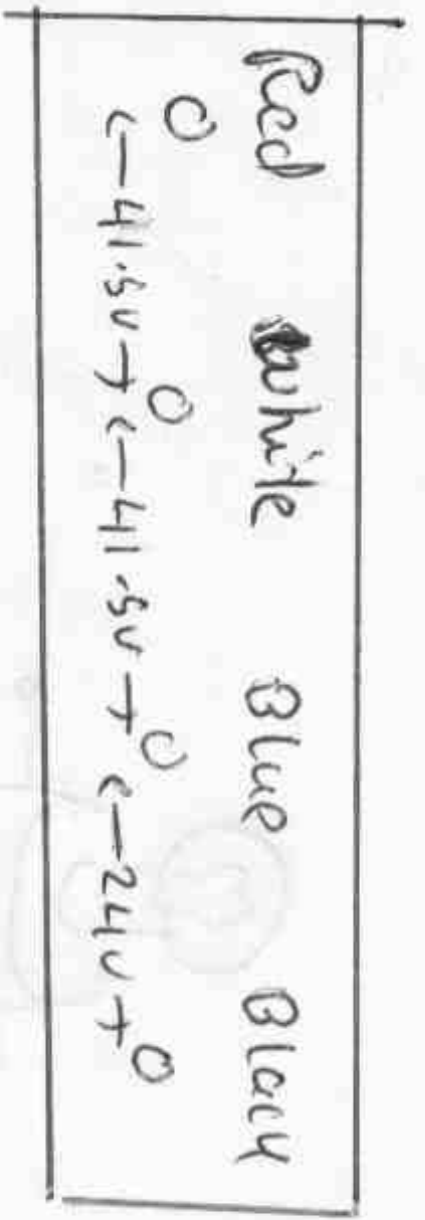


532 40 24110000000 and 10101100000

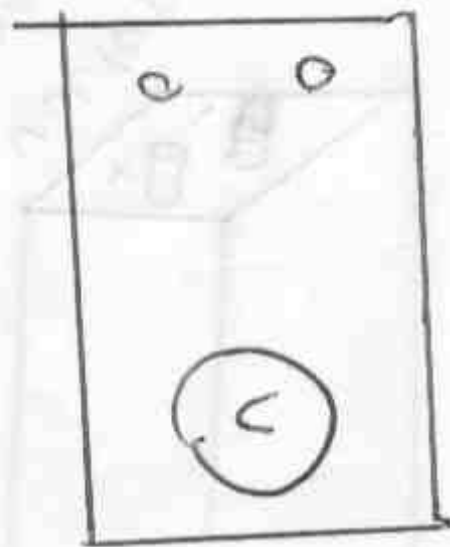
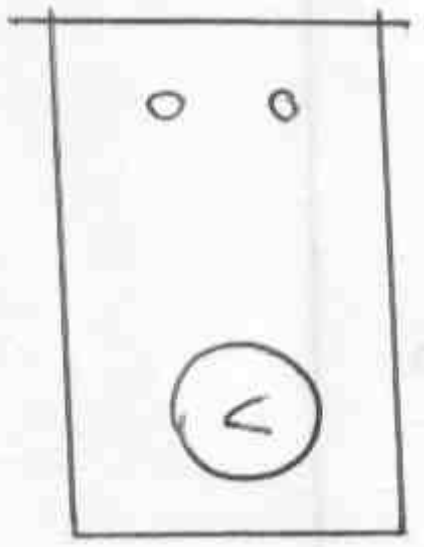
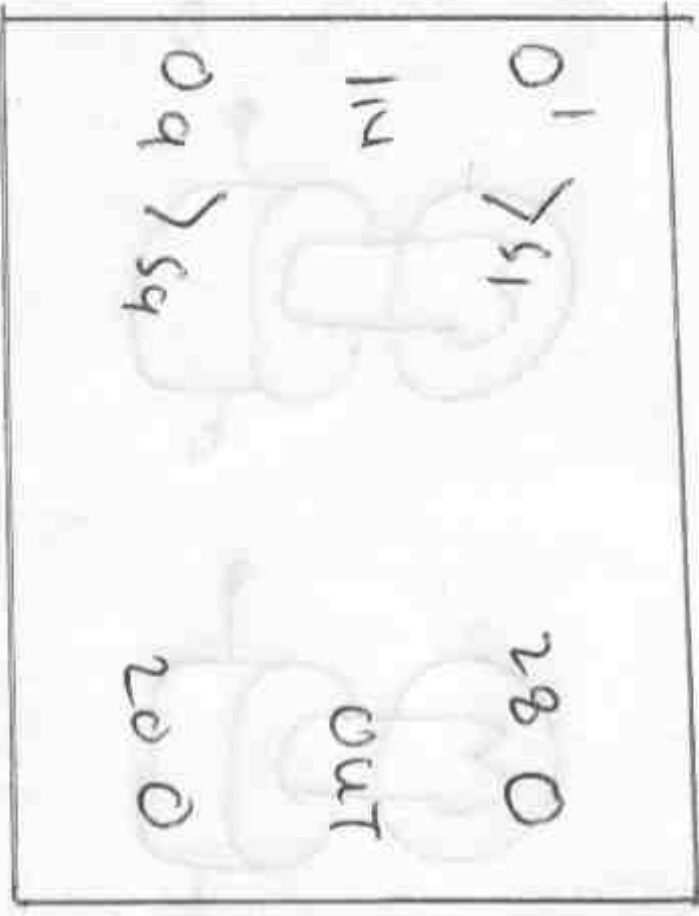
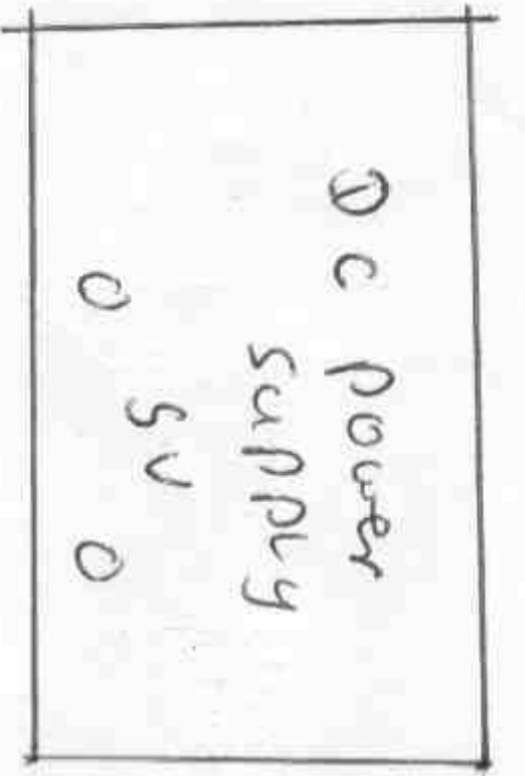
- ③
- ④



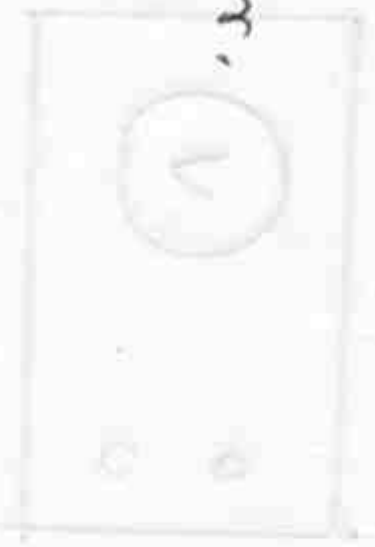
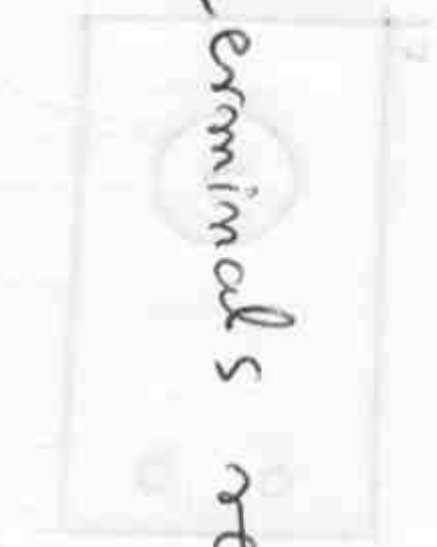
3 / 5 comparing AC & DC distribution systems



③ / ⑥ Investigating single & 3 phase rectification

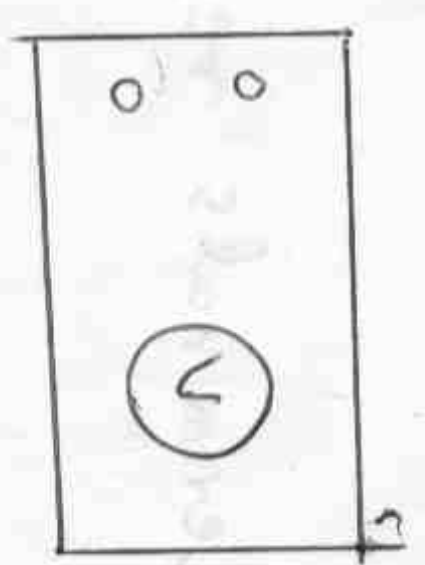
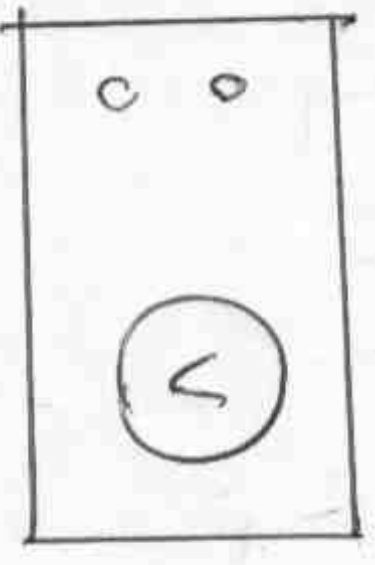
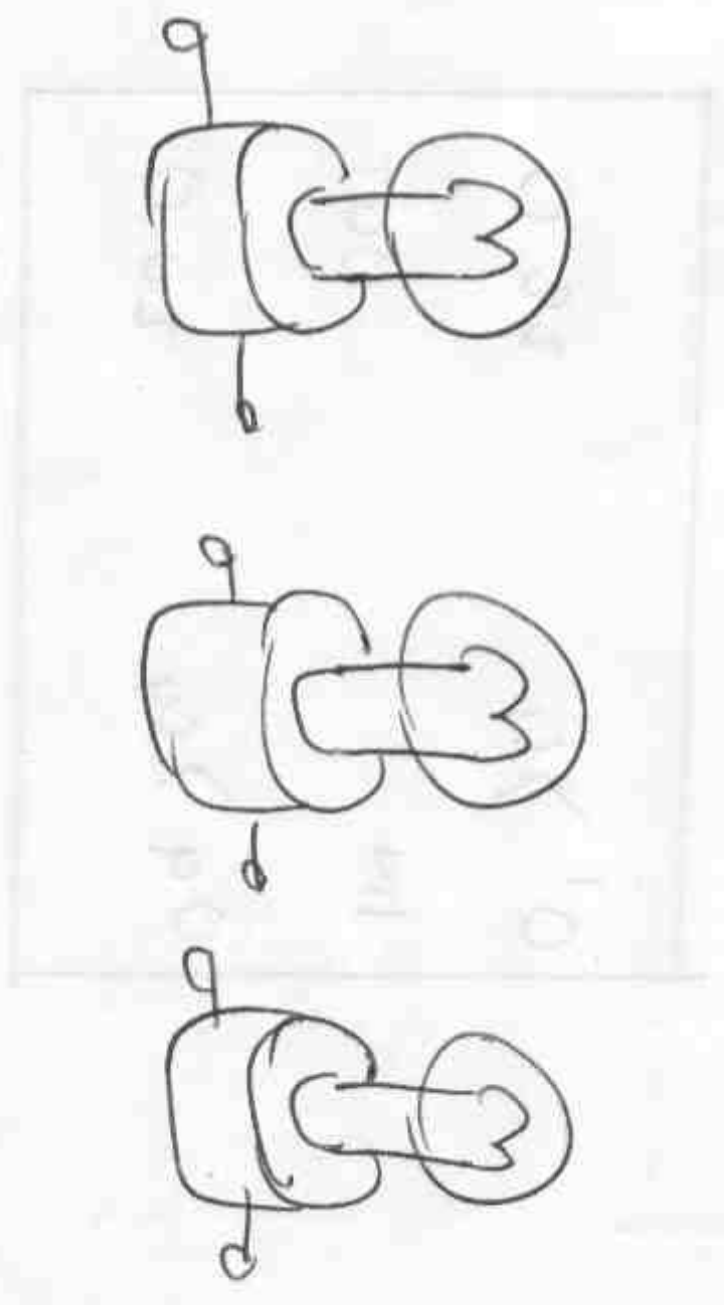
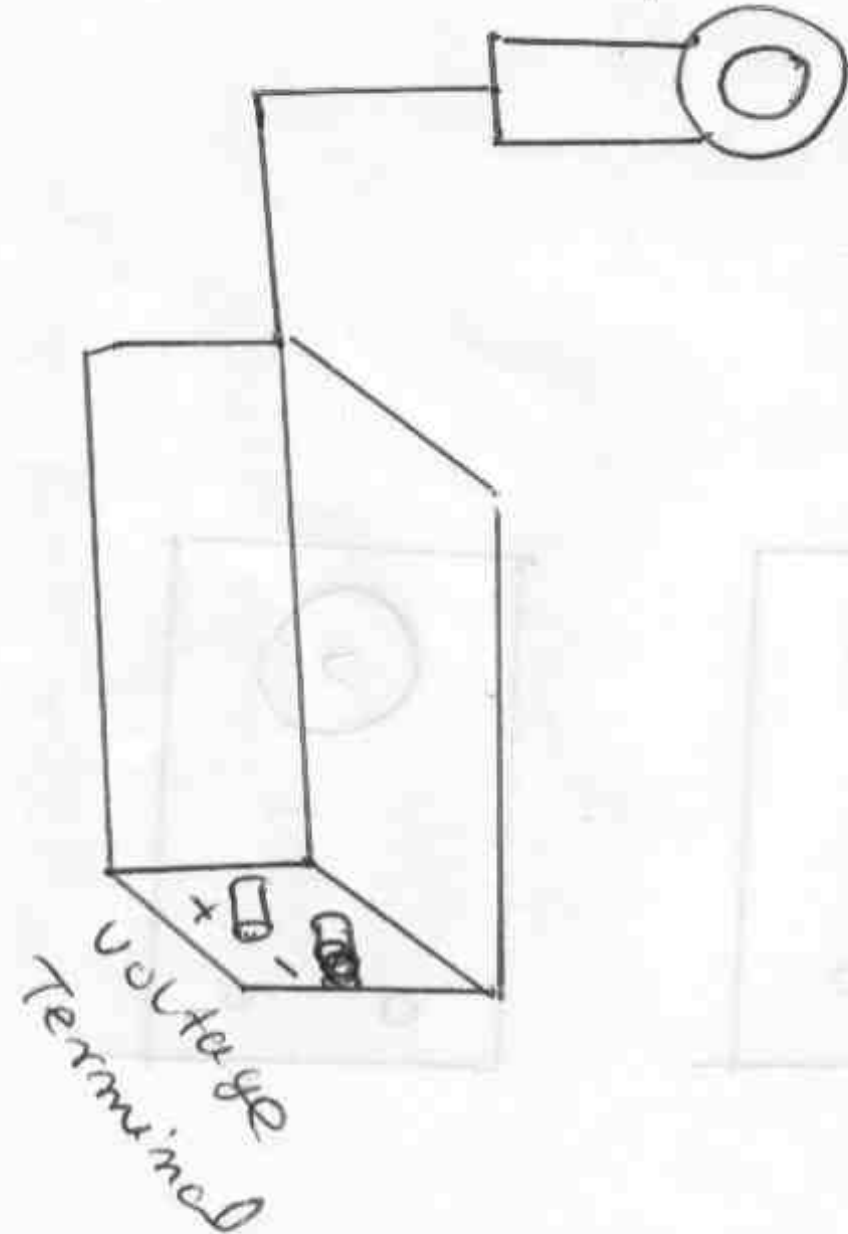
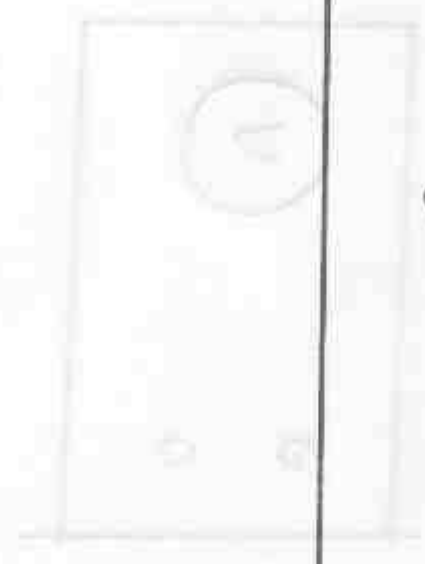
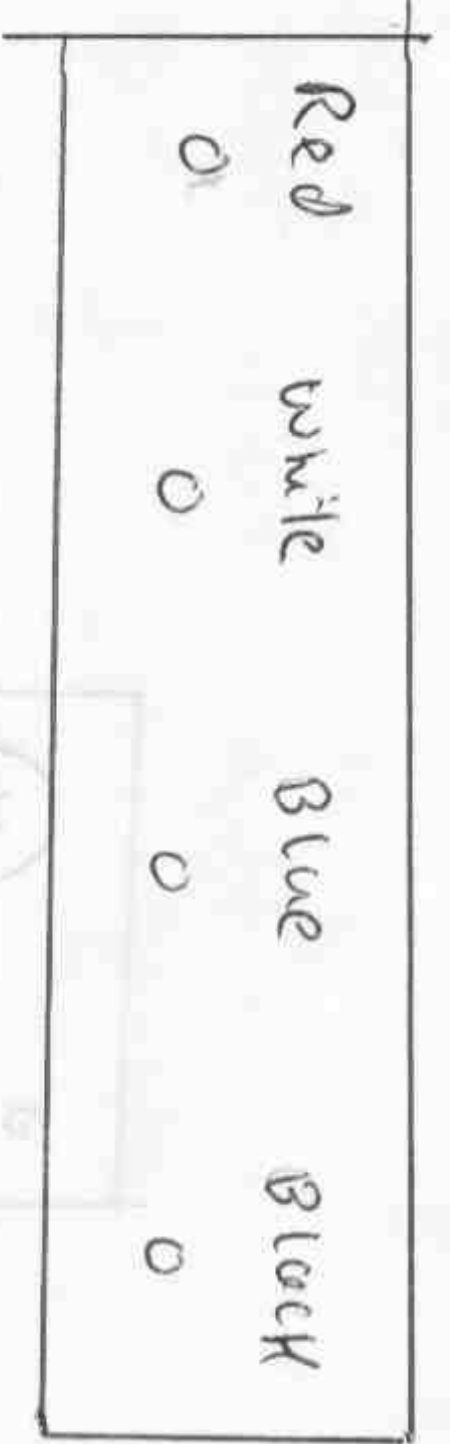


③ / ⑦ Three terminals regulator.

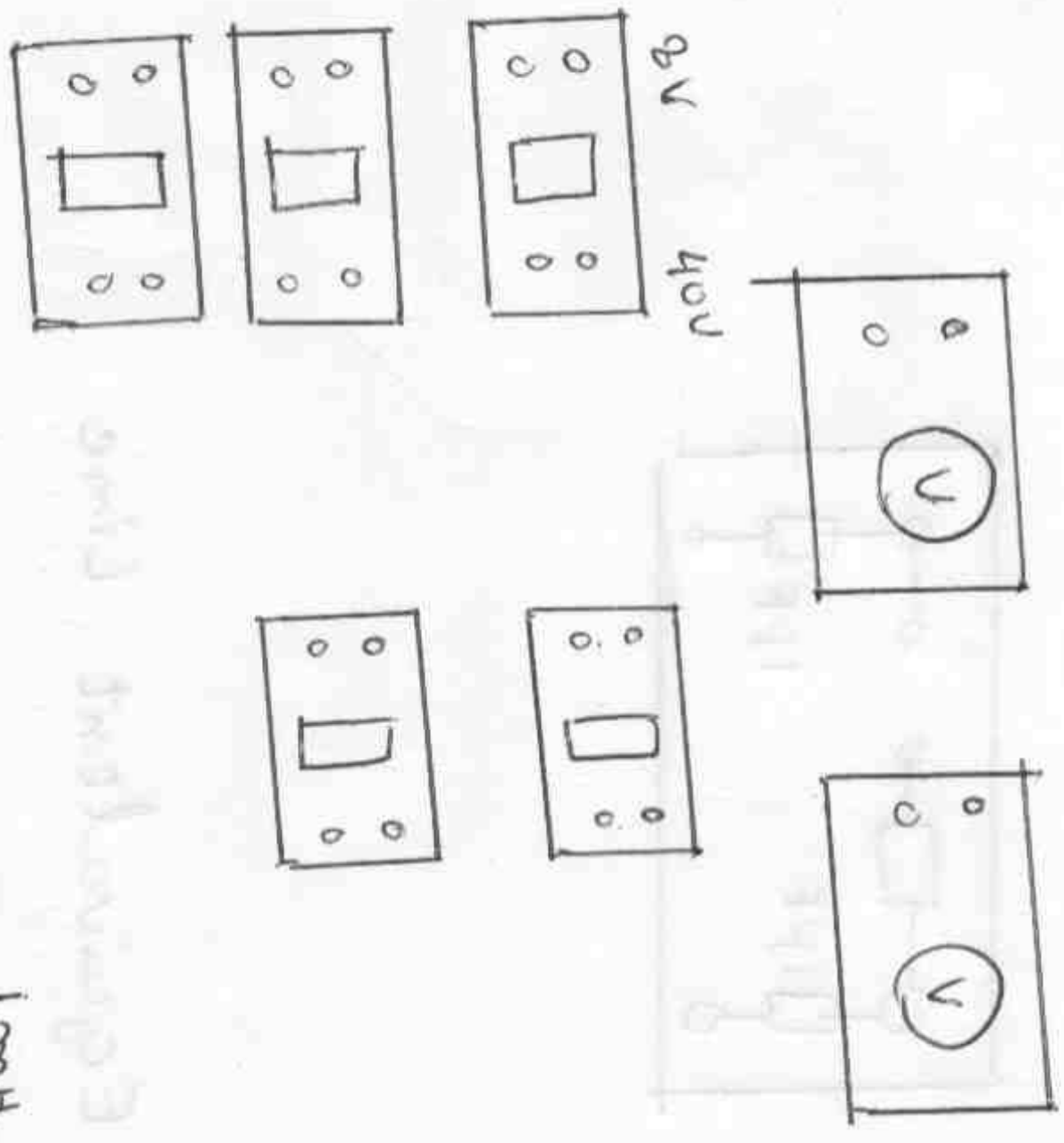
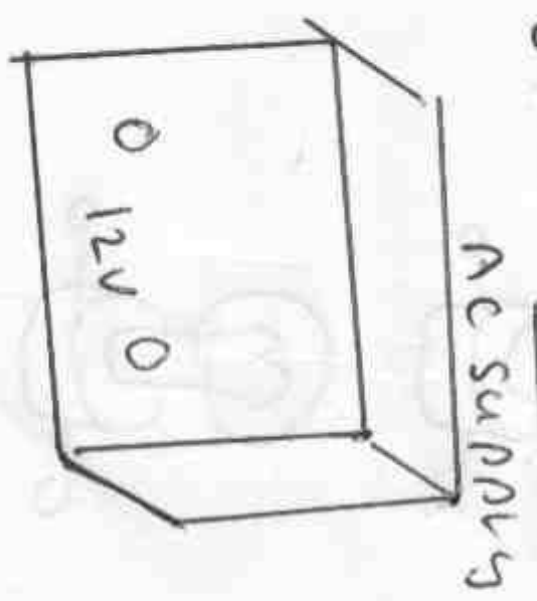
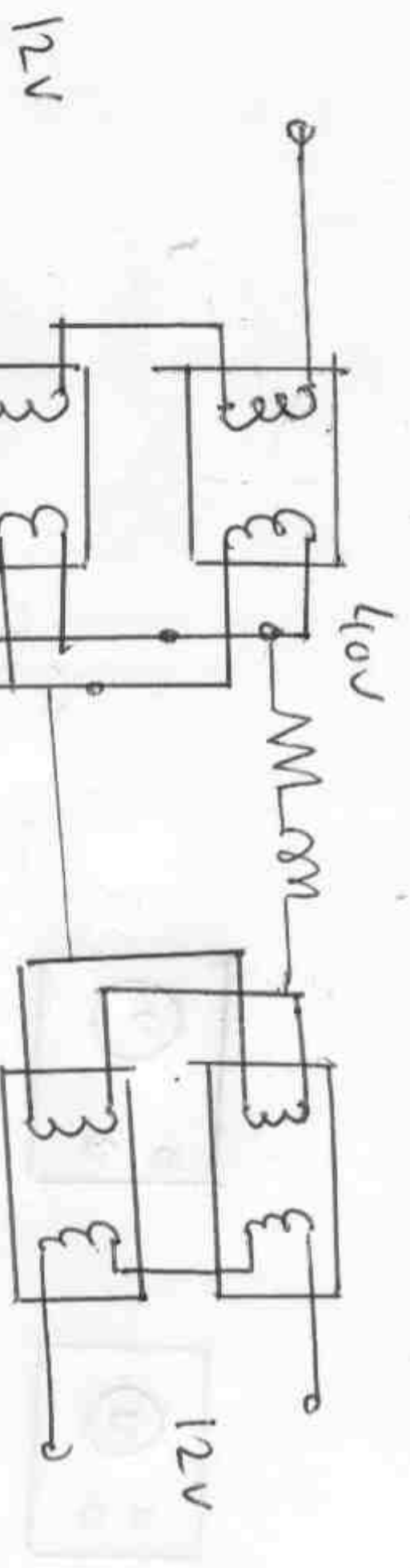


no adjustment required for 5V

⑧ / ⑨

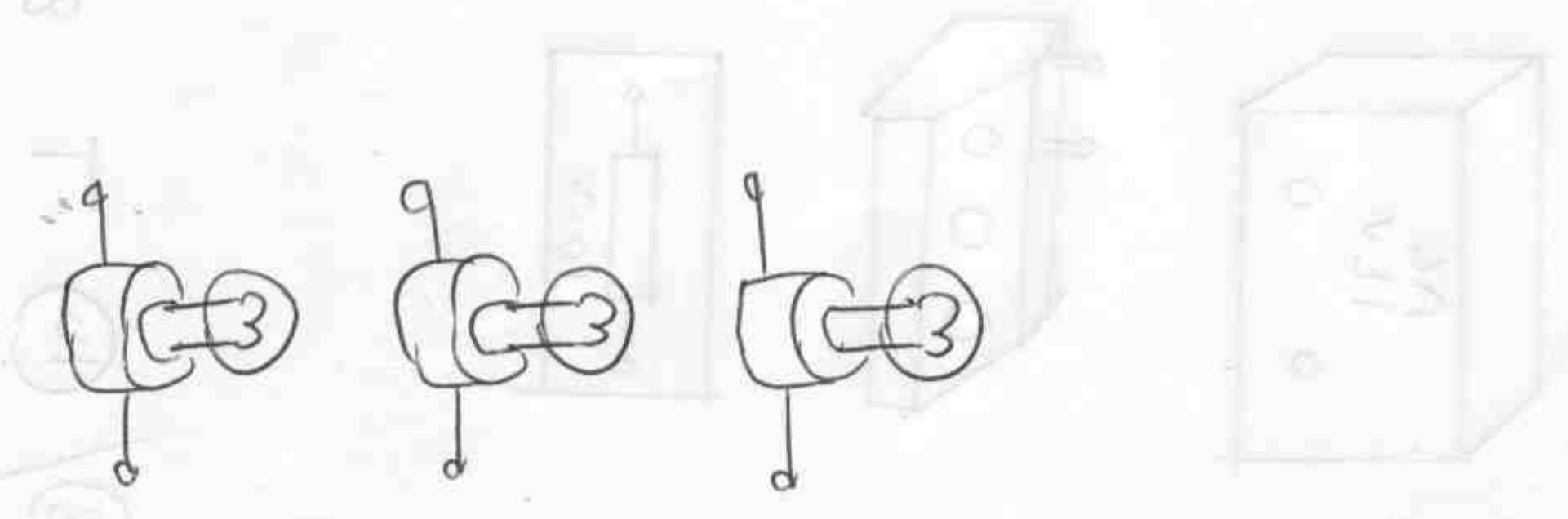


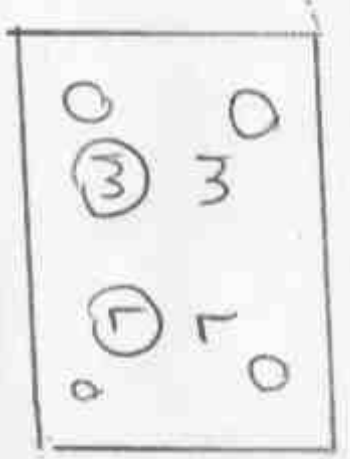
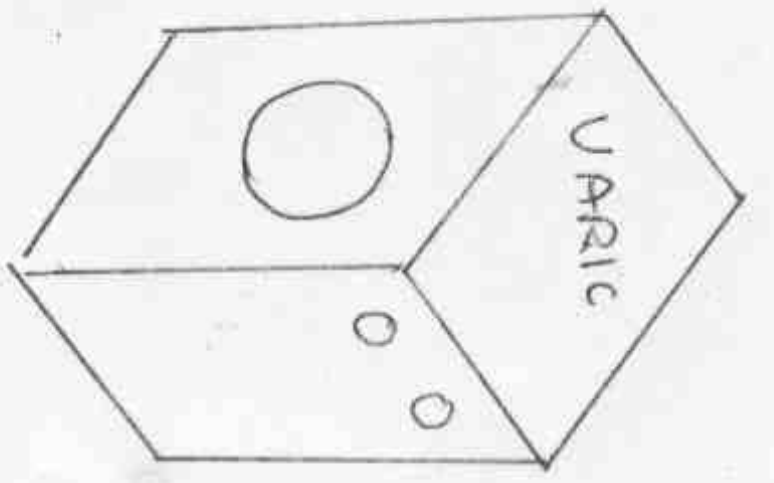
③ / ⑧ current and voltage transducer



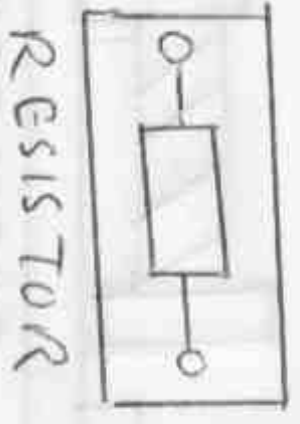
③

⑨ Effect of
various former
on Line Power
Loss





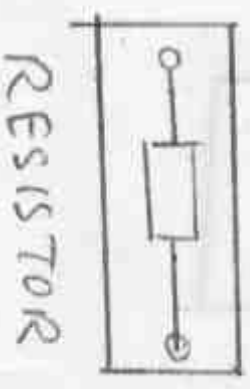
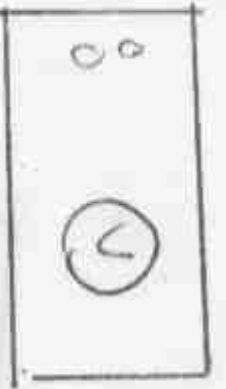
CURRENT TRANSFORMER



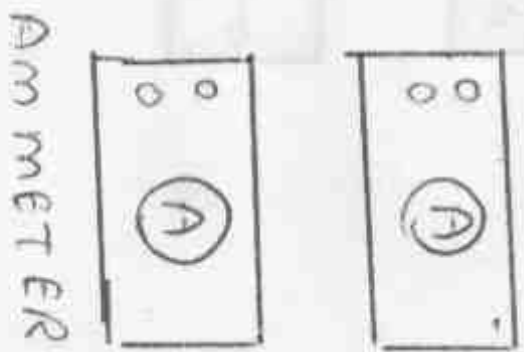
RESISTOR



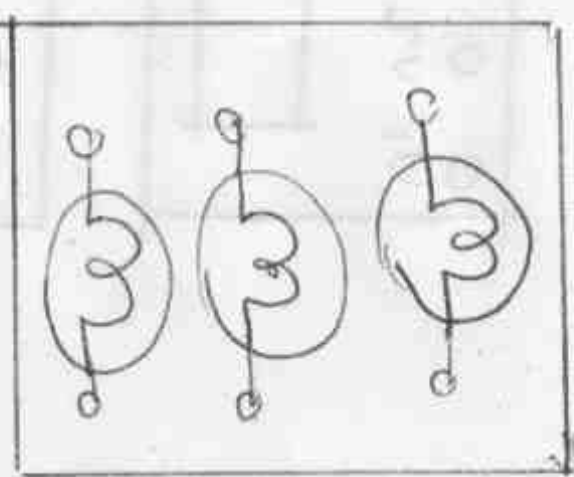
VOLT METER



RESISTOR



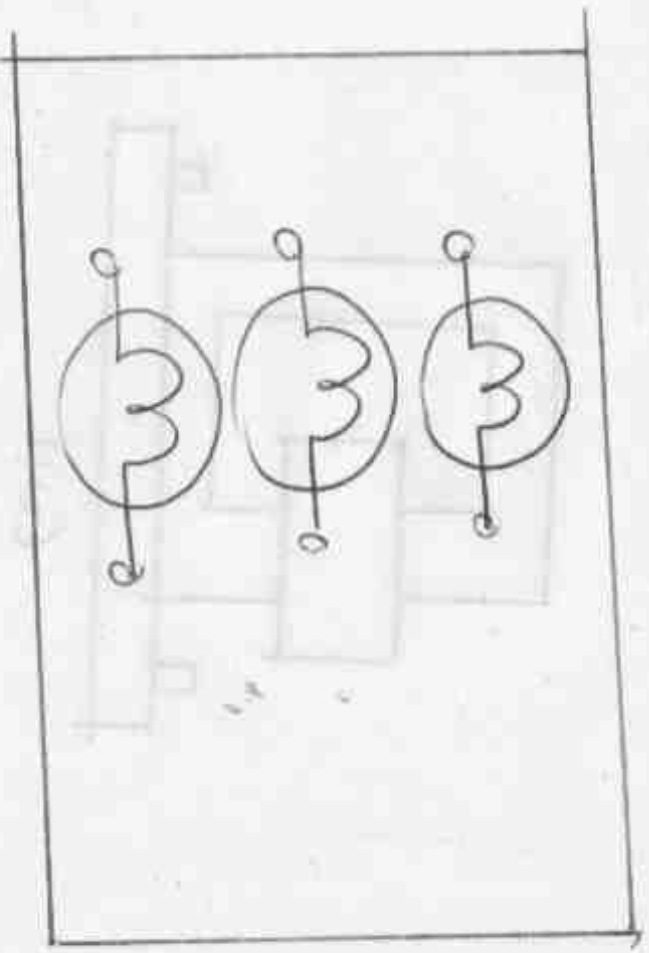
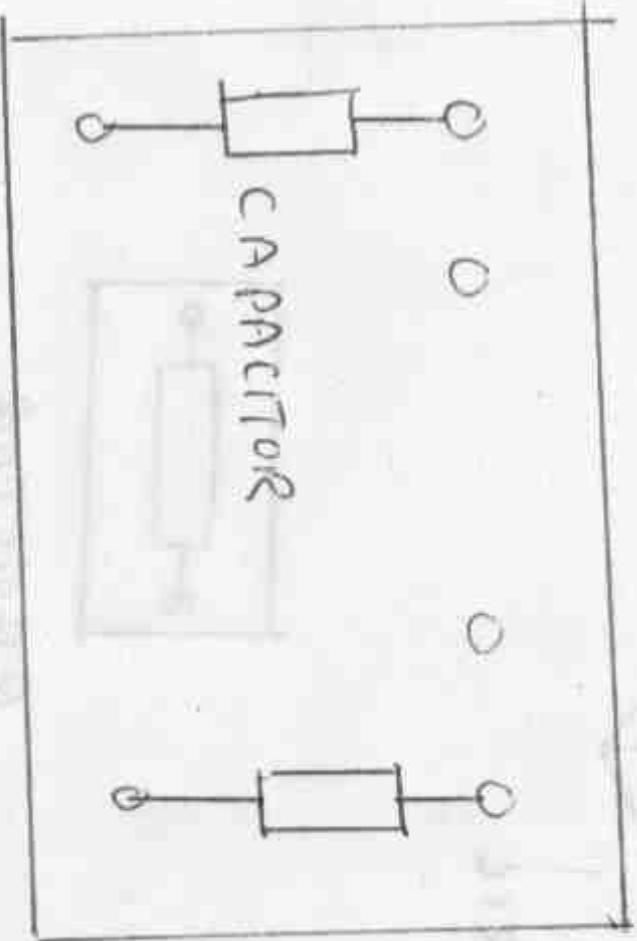
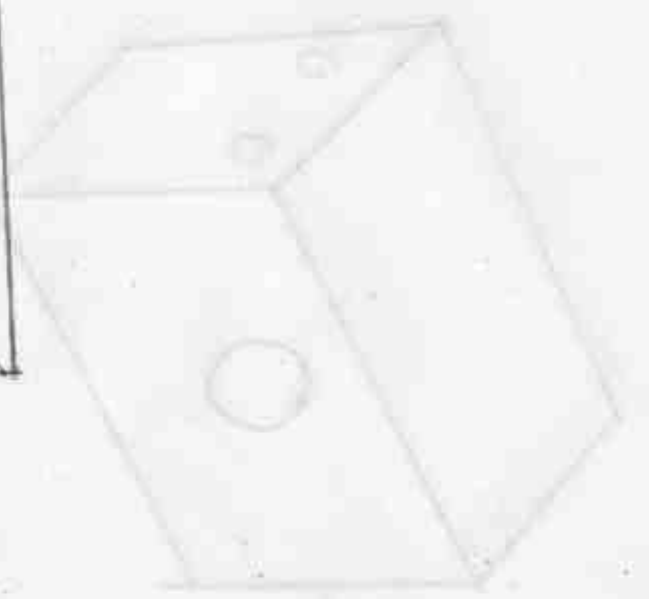
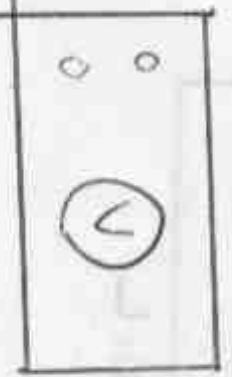
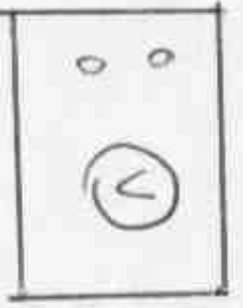
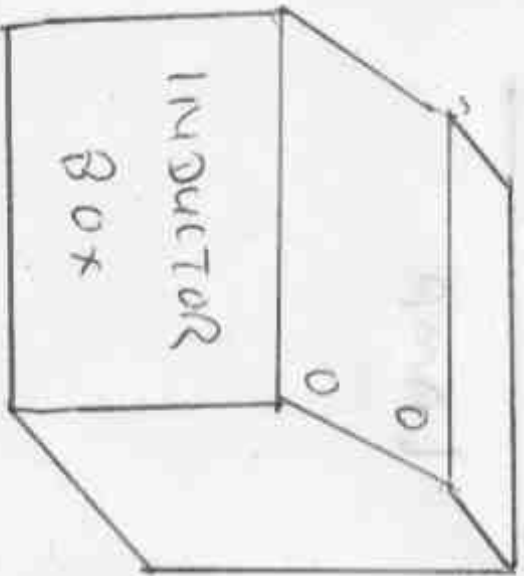
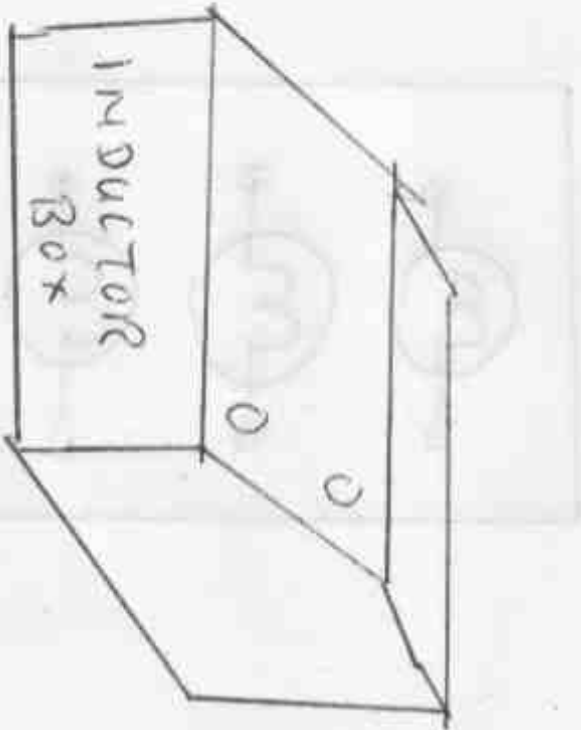
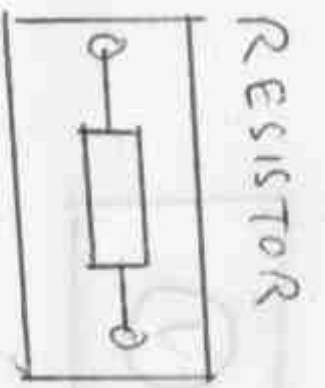
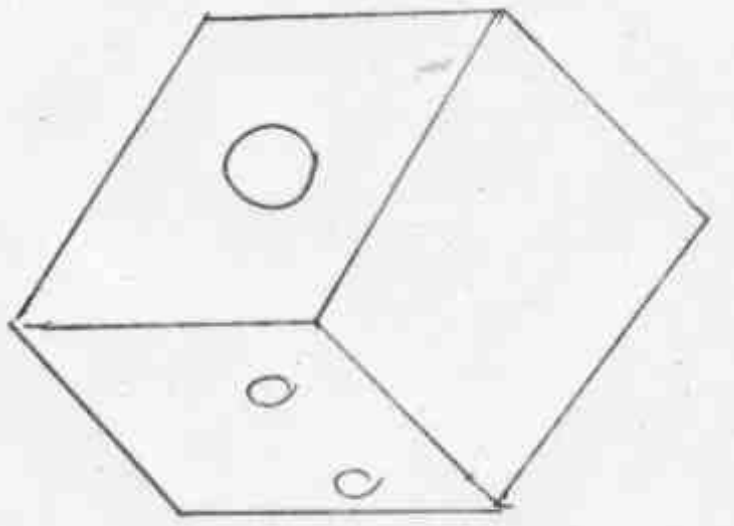
AMMETER



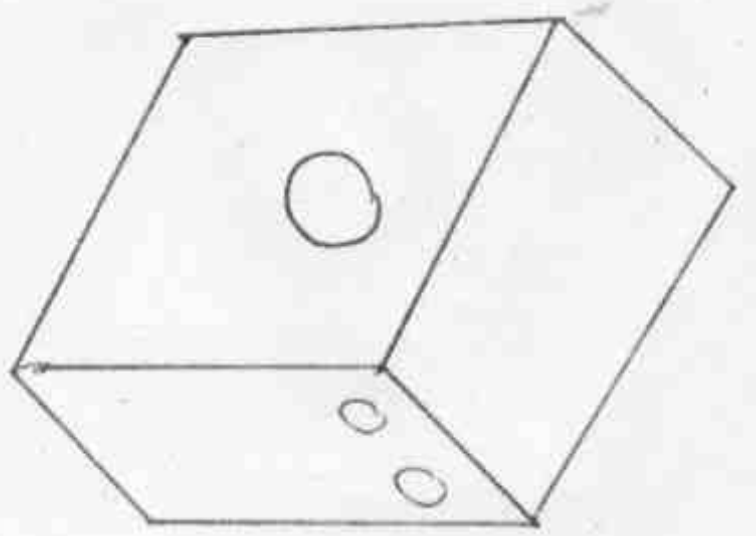
Lamp Load

④ / (1) Practical - GOIS - CT PT Ratio measurement

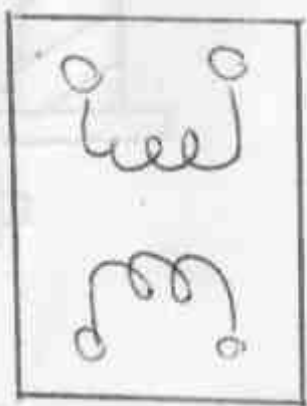
சிவாஜி கலைக்கல்லூரி, சிவகாமிநகர், கரையாறு, திருச்சி



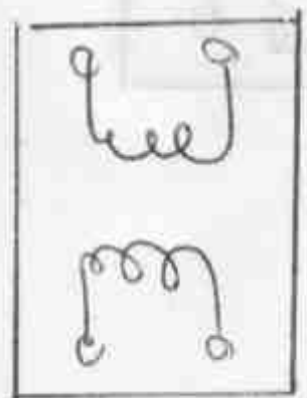
(4) / (10) Practical G042 - G015 - π , T NETWORK



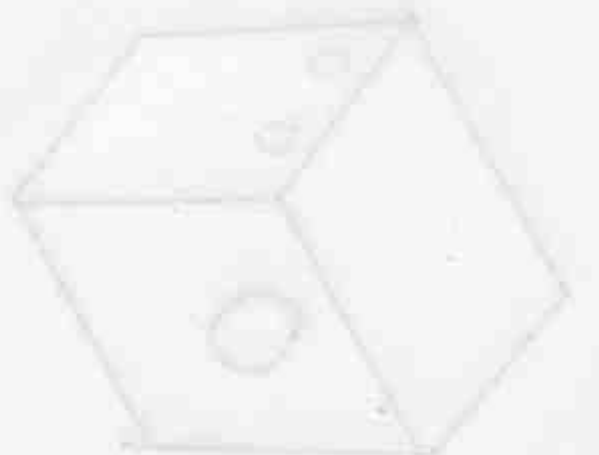
VARIAC



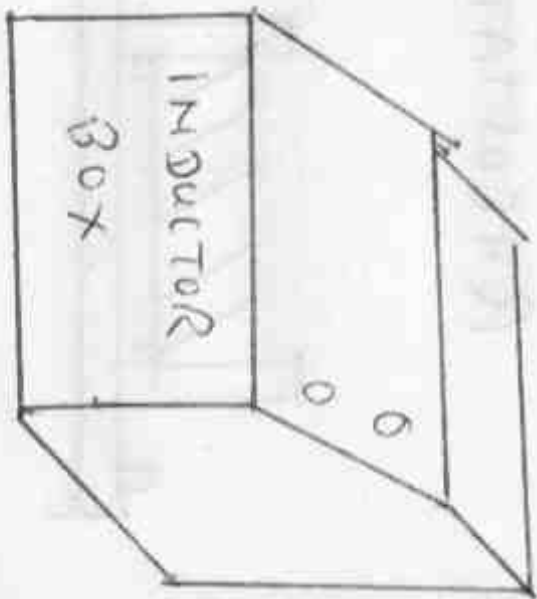
Transformer



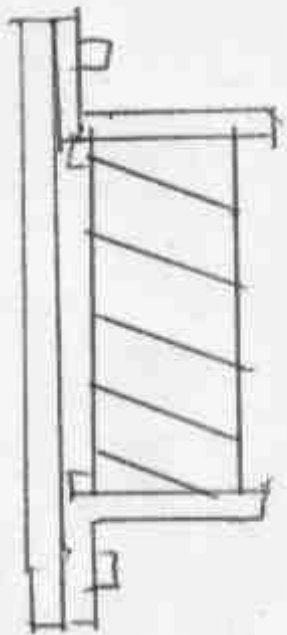
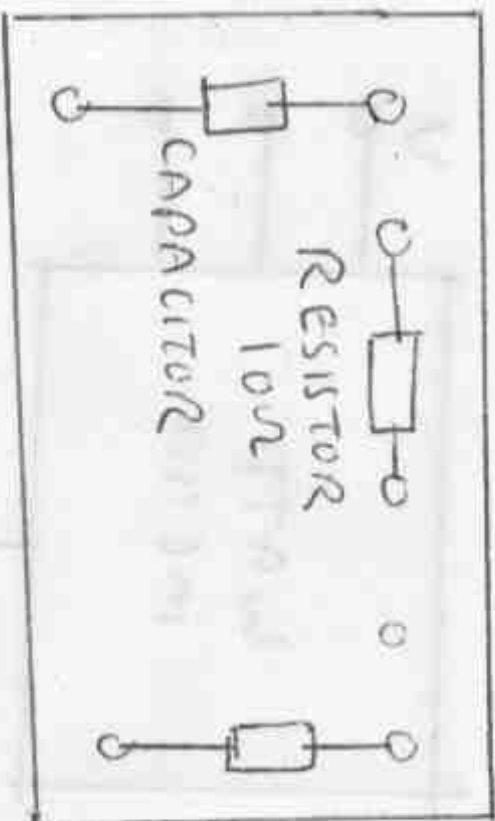
Transformer



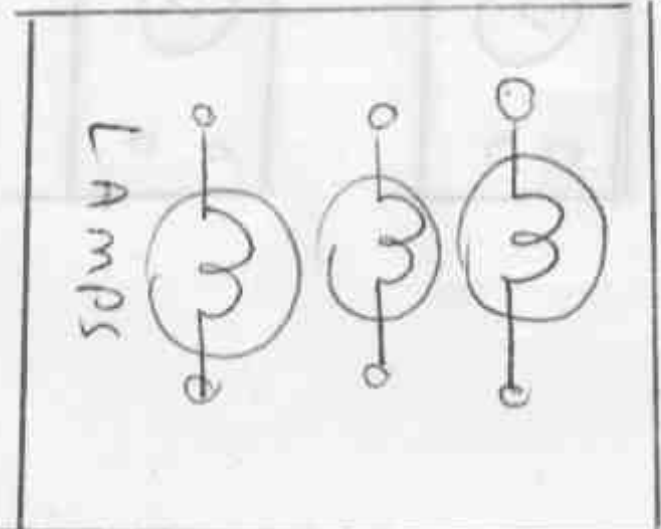
TRANSFORMER



INDUCTOR BOX



RHEOSTAT

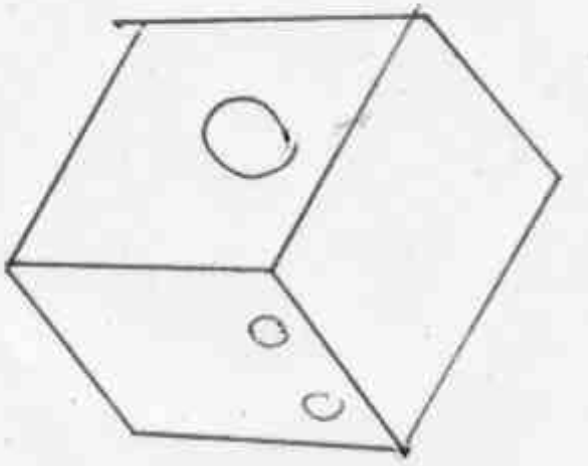


LAMPS

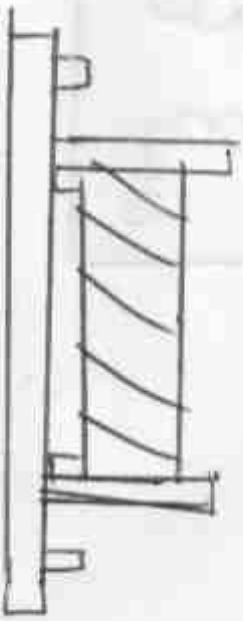
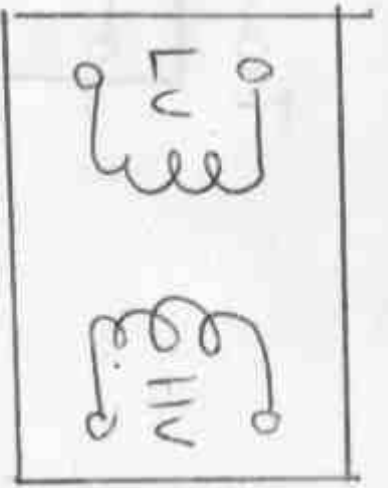
④/⑪

Transformers effect on line losses

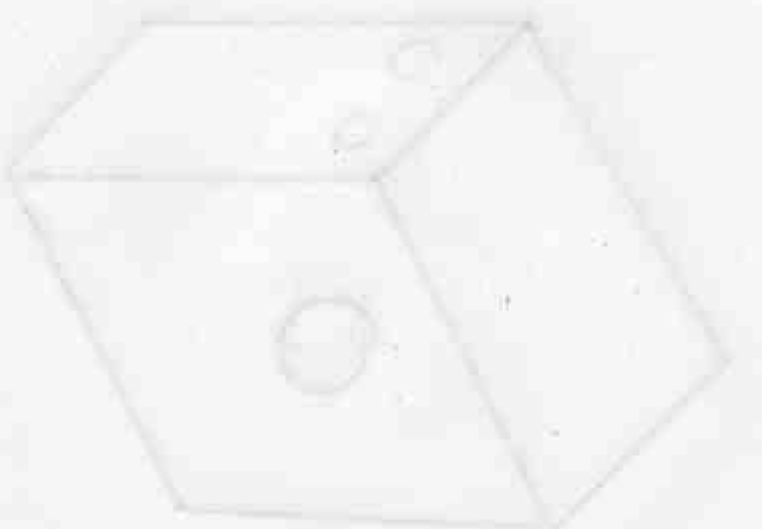
⑤/②



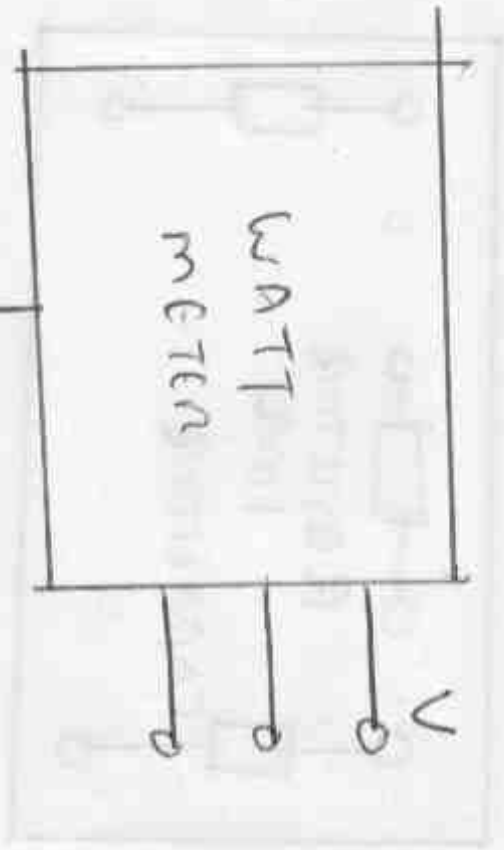
VARIAC



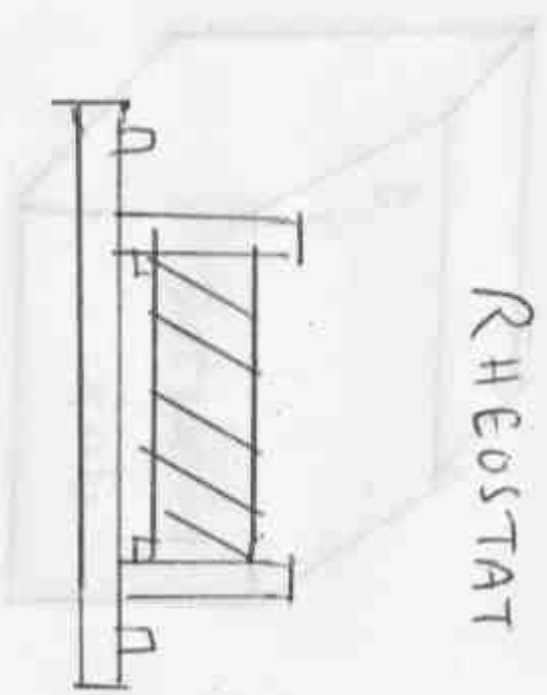
RHEOSTAT



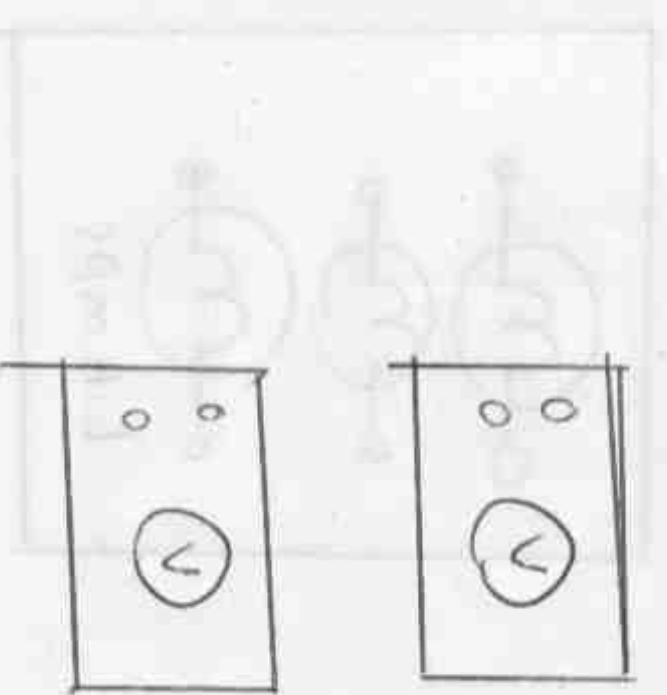
VARIAC



CURRENT PROBE



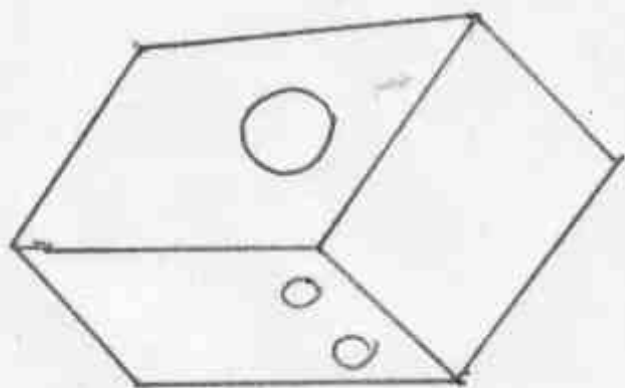
RHEOSTAT



RHEOSTAT

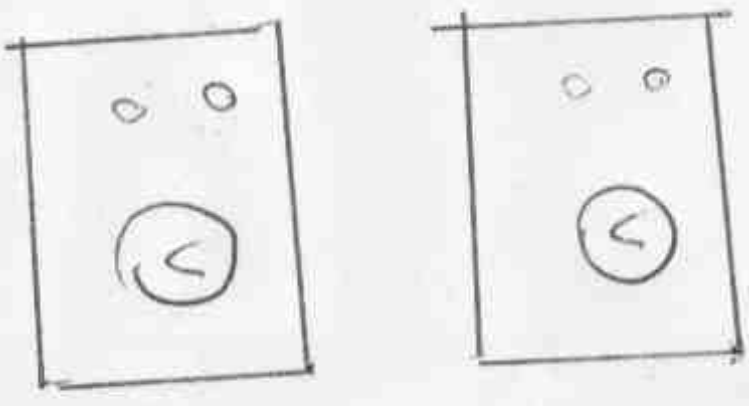
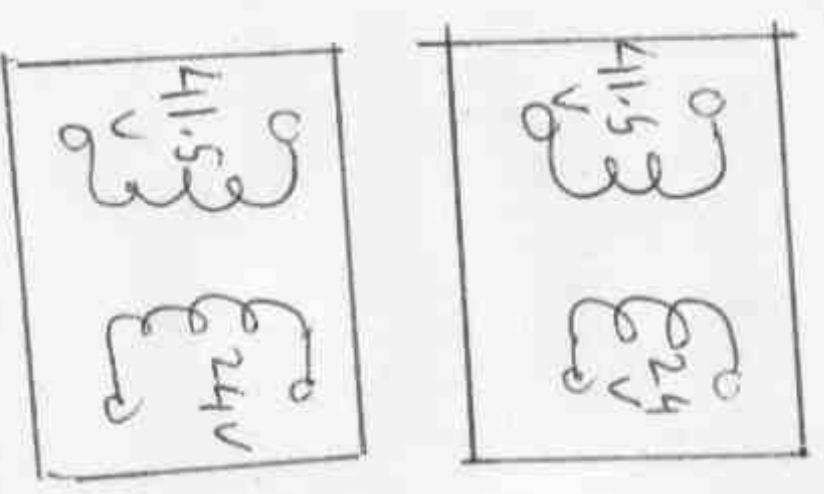
④ / ⑫ Transformer OCT / SCT Test

⑪ / ⑮

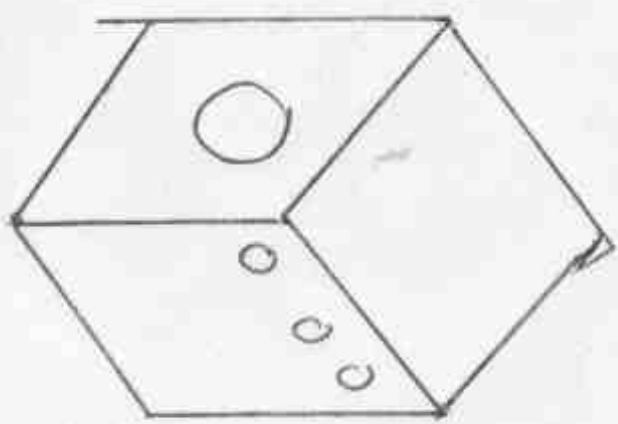


VARIAC

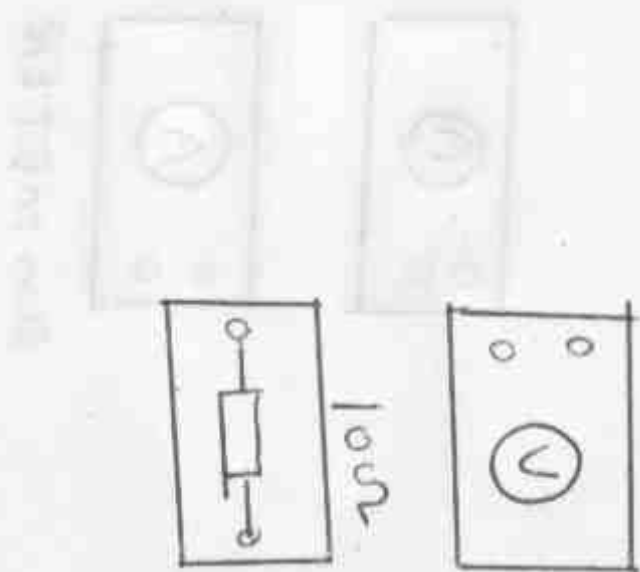
TRANSFORMER



④ / ⑬ Transformer Polarity Test



VARIC



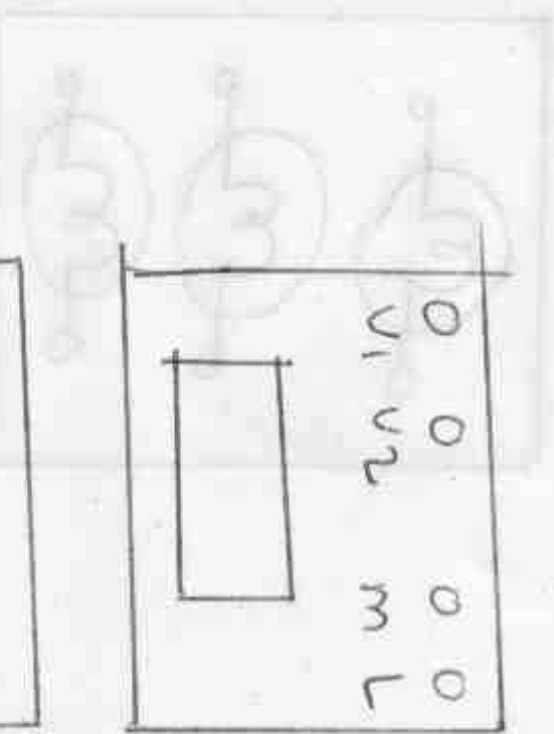
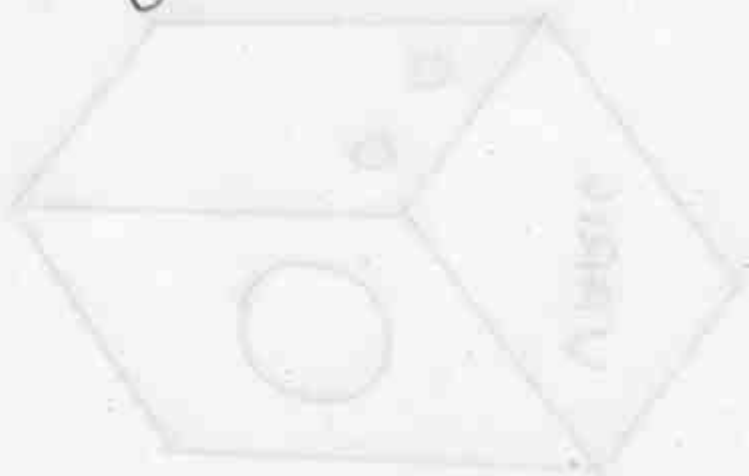
RESISTANCE



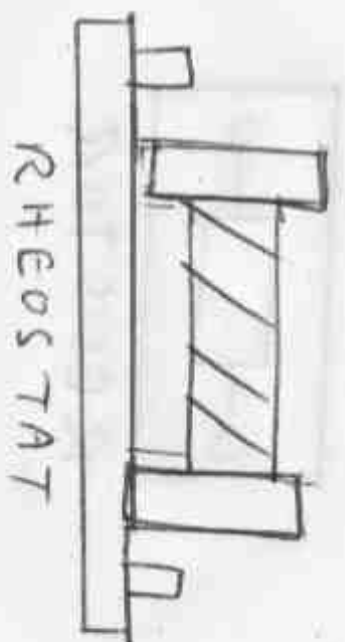
RESISTANCE



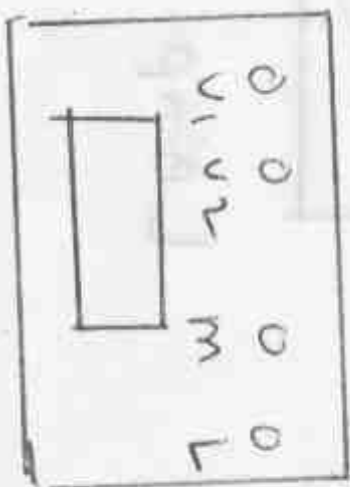
LAMP



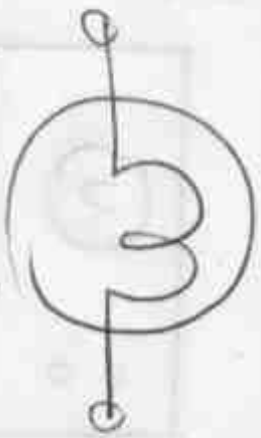
LAMP



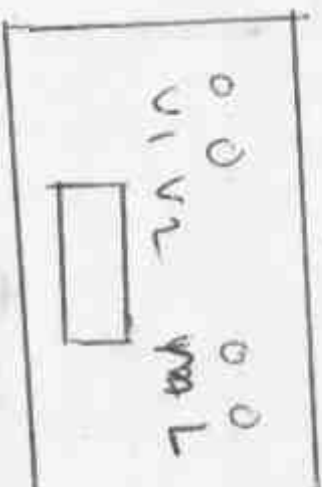
RHEOSTAT



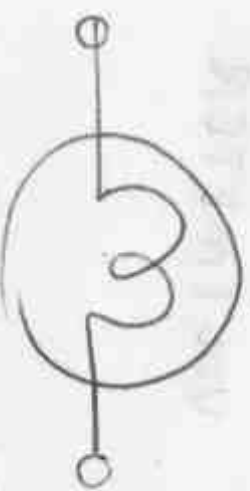
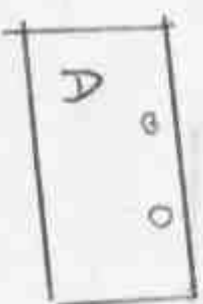
WATT METER



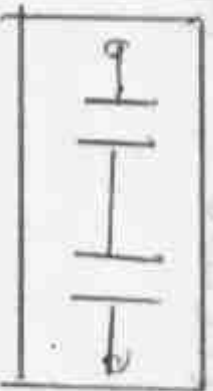
LAMP



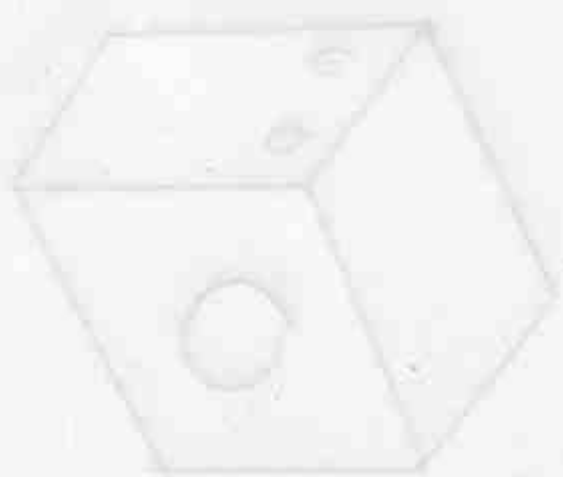
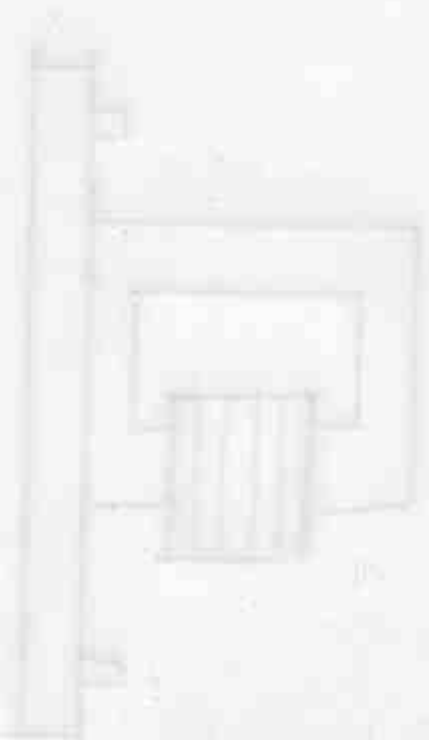
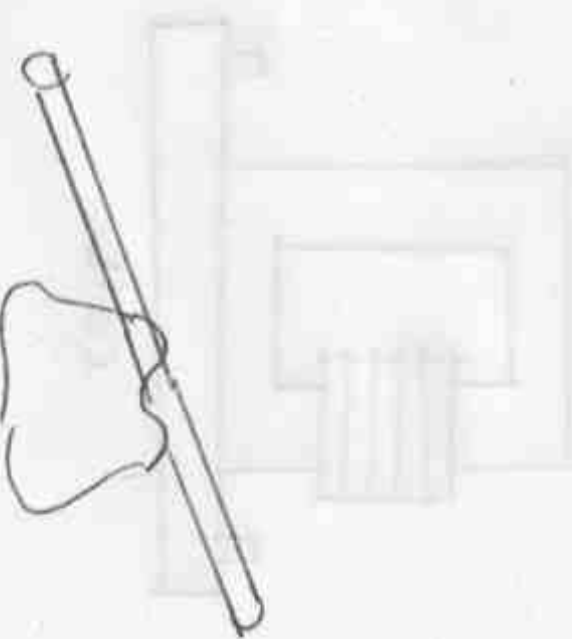
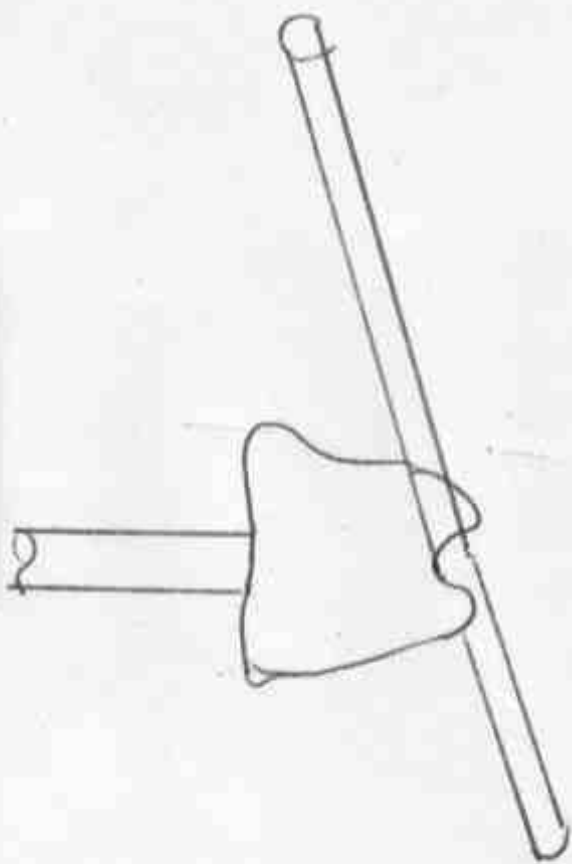
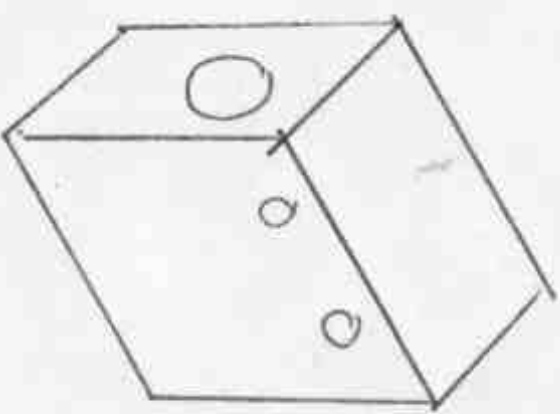
WATT METER



CAPACITOR

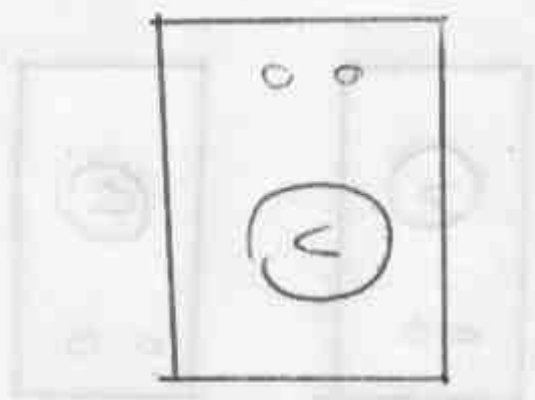
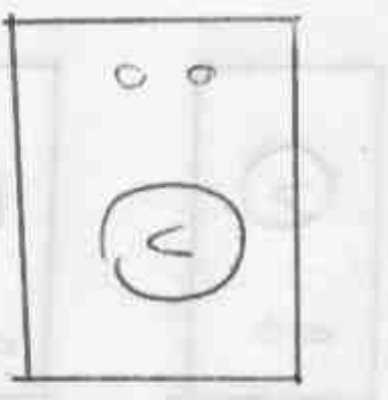
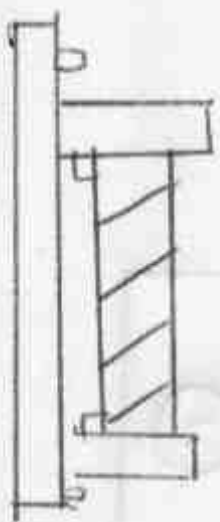


④ / (2) REAL POWER, REACTIVE POWER, APPARENT POWER

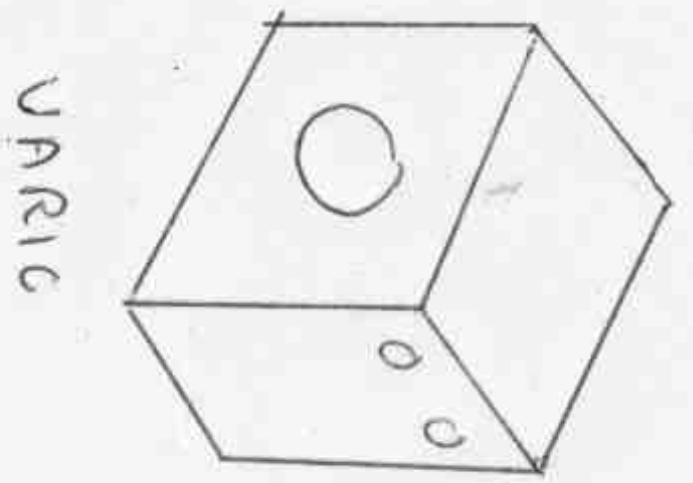


2020

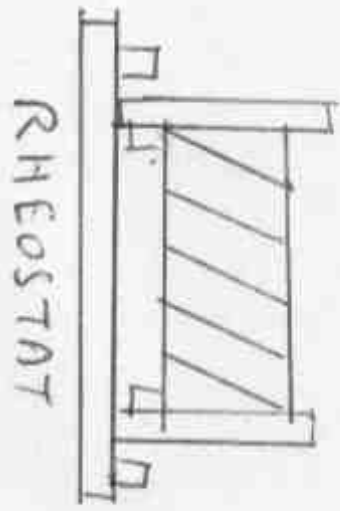
④ / (3) Line air capacitance test



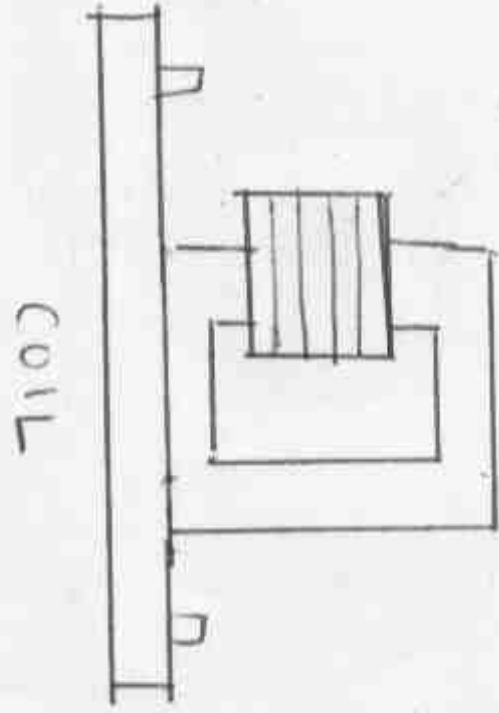
Handwritten text at the bottom of the page, including a date and a signature.



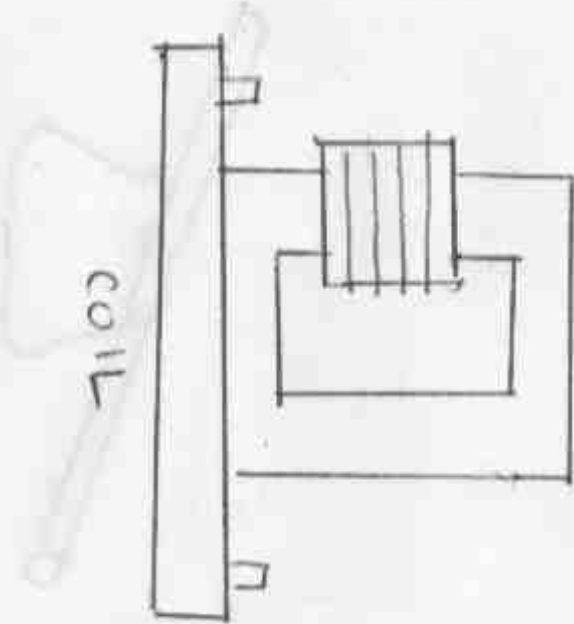
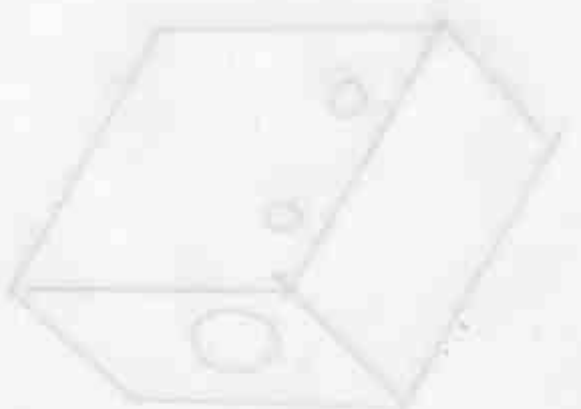
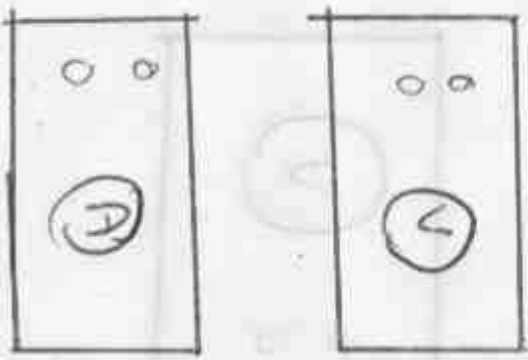
VARIC



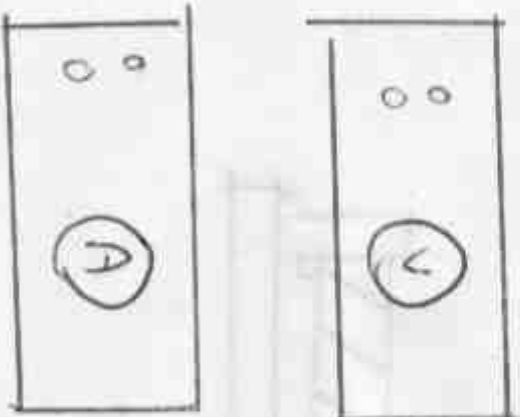
RHEOSTAT



COIL



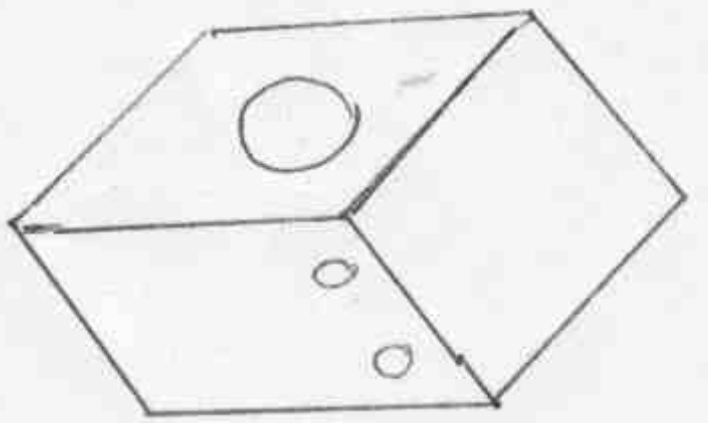
COIL



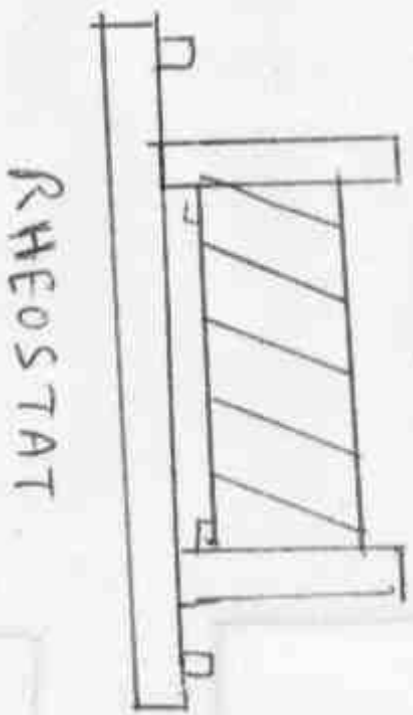
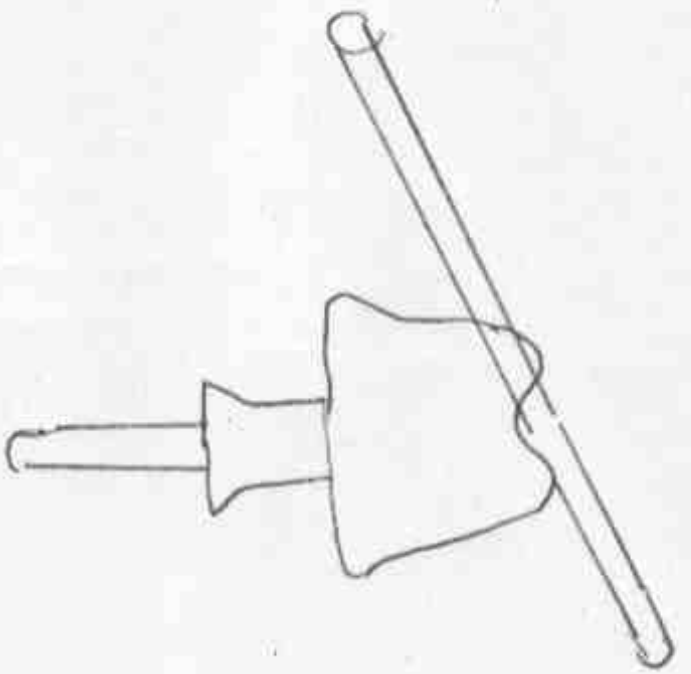
First arrangement with series coil

④ / ④ Inductive reactance of series coil.

⑤



VARIC



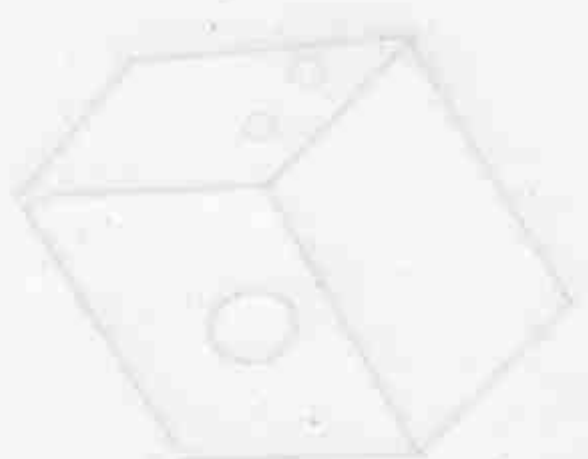
RHEOSTAT



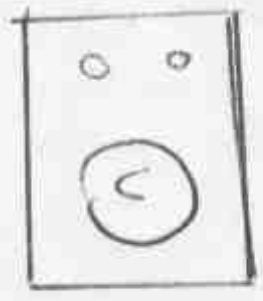
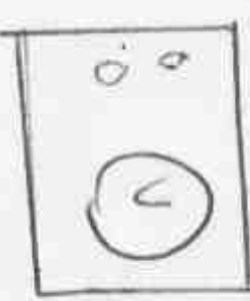
RHEOSTAT



RHEOSTAT

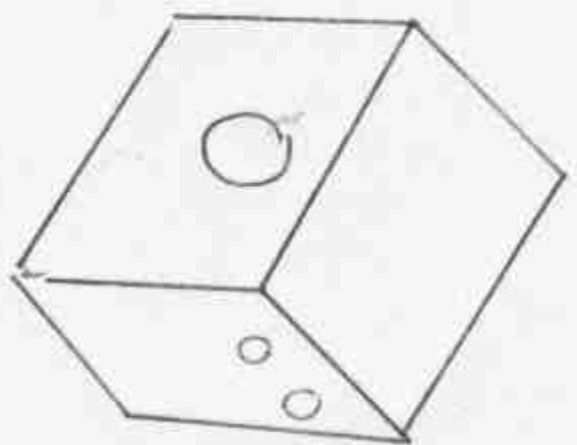


VARIC

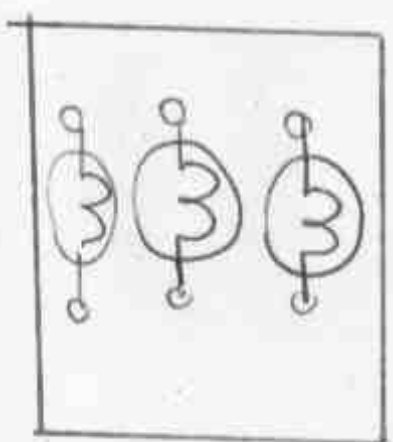
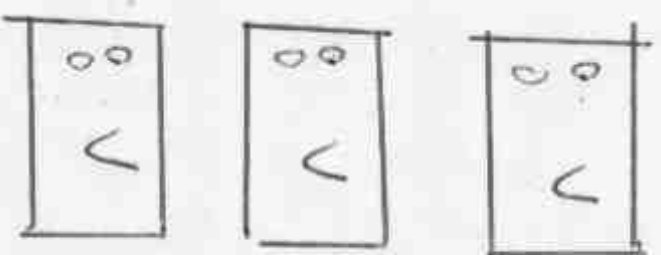


④ / ⑤ Line insulator capacitance

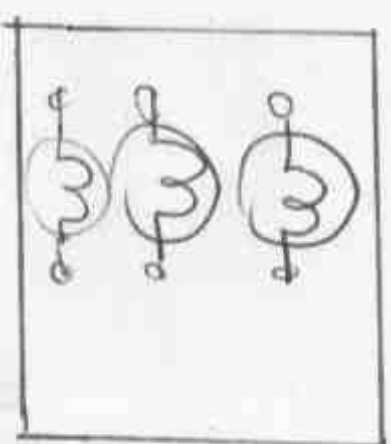
97.100 J (a) / (a)



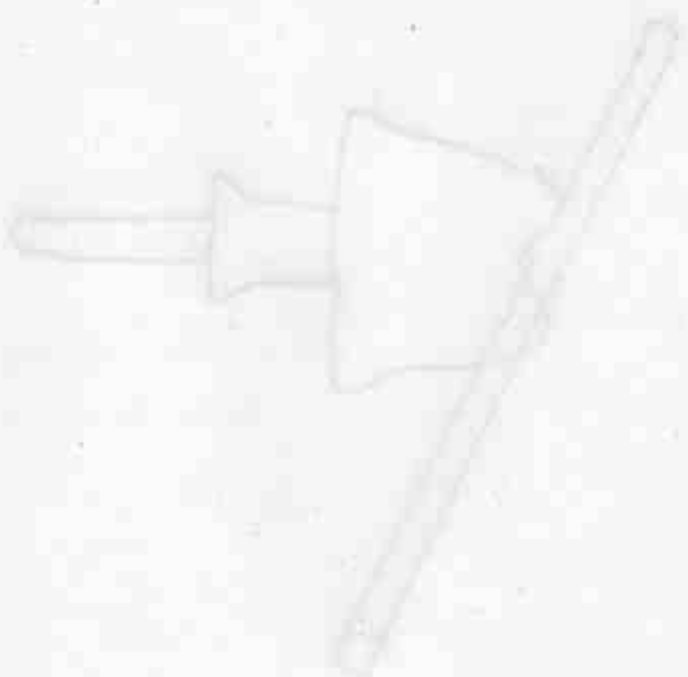
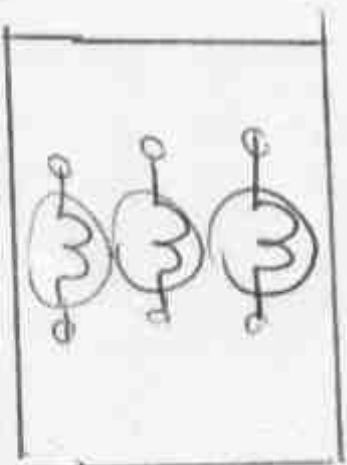
VARIC



Lamp



Lamp



TRIT 2020/21



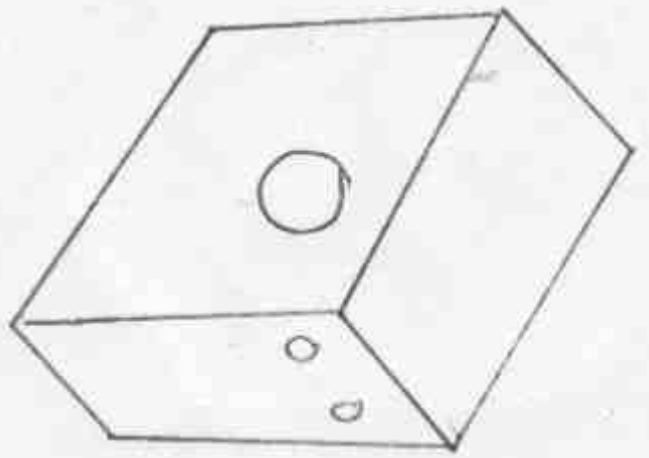
VARIC



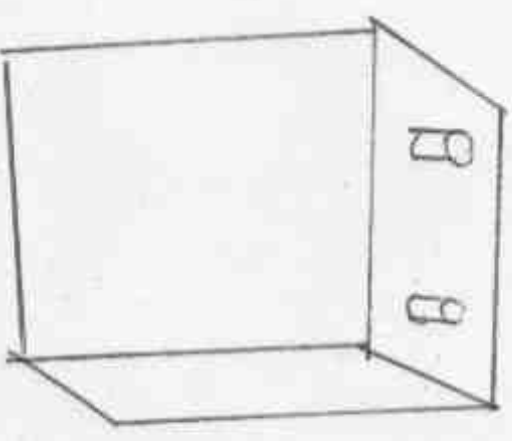
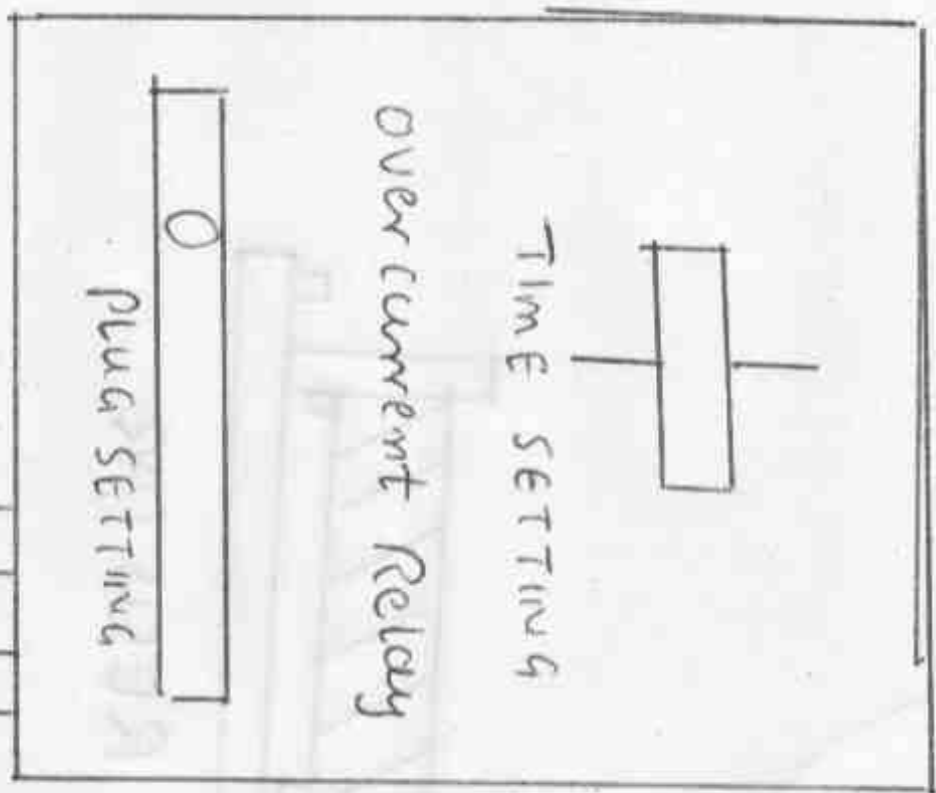
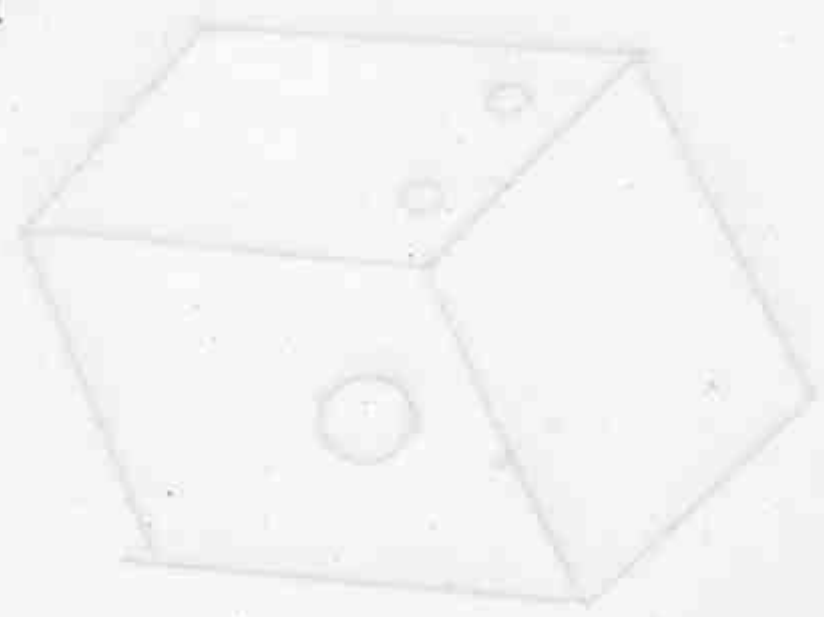
(4) / (6) Load centre

Handwritten text, possibly a signature or name, located at the bottom of the page.

(2) / (2)



VARIC

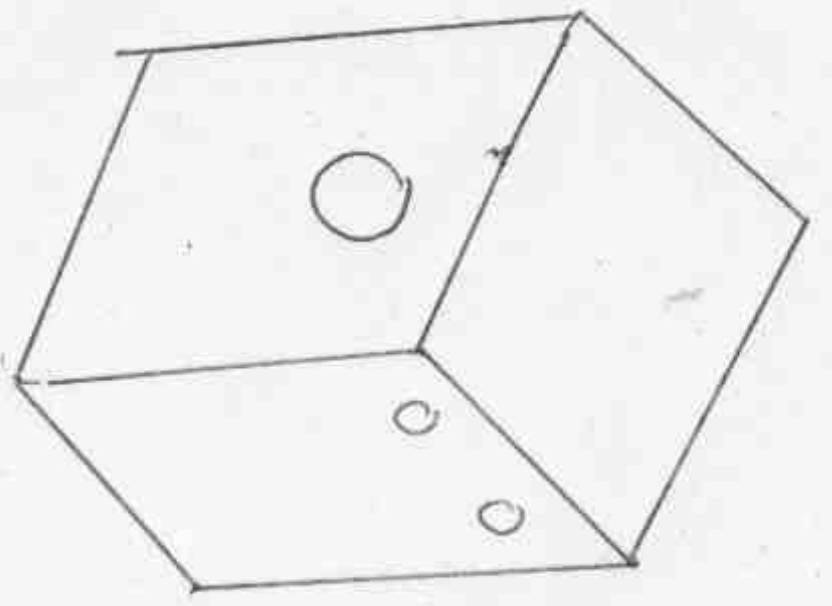


RESISTOR

④ / ⑦ Overcurrent Relay



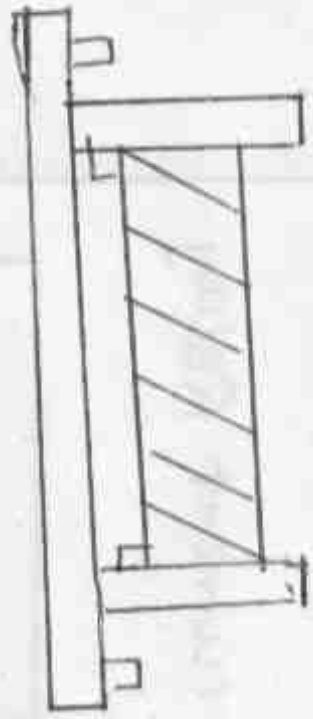
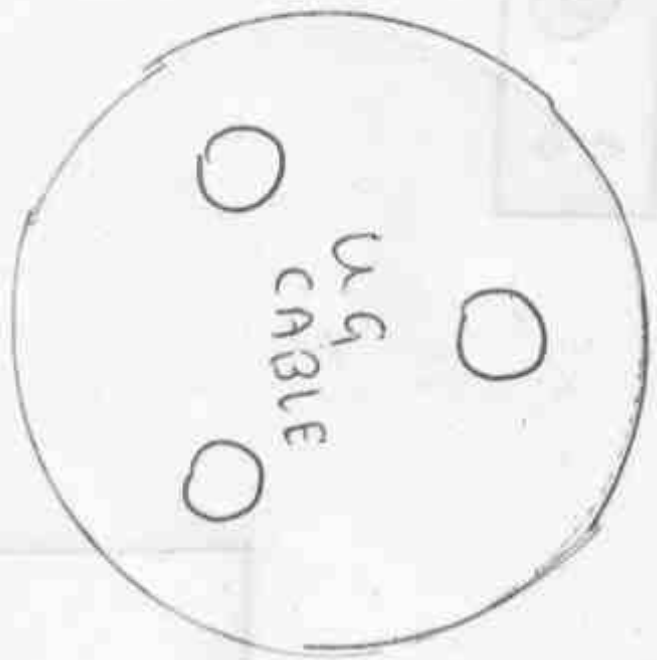
TEST 31/04/2019 2:00 P.M. ⑧ / ⑨



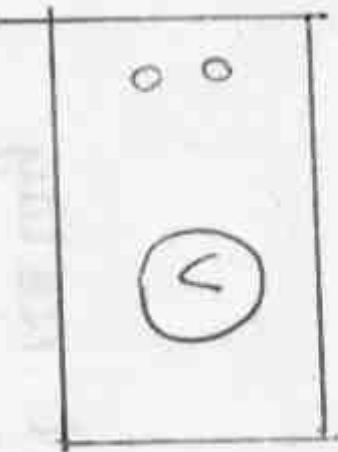
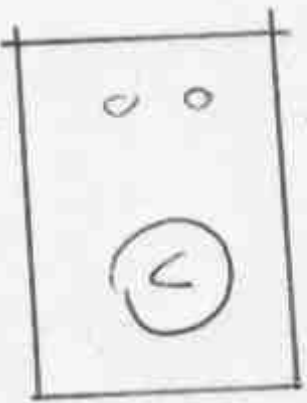
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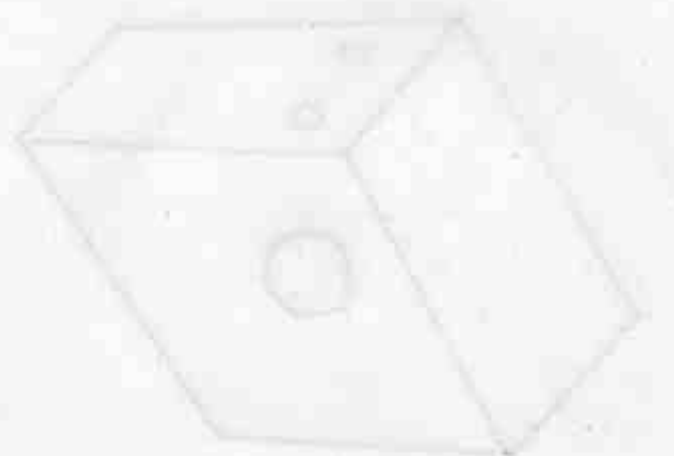
PROT 21251



RESISTOR

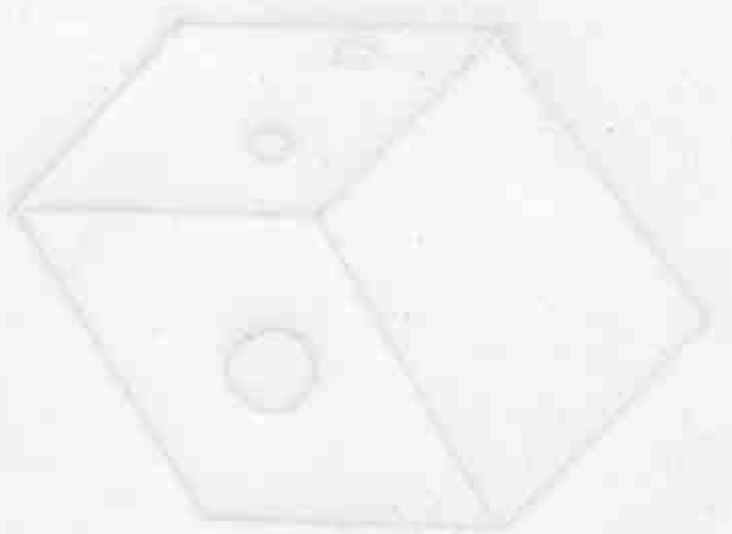
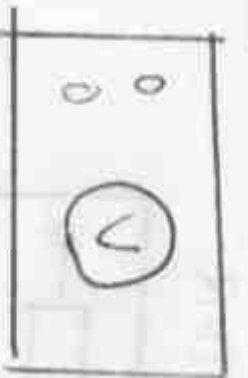
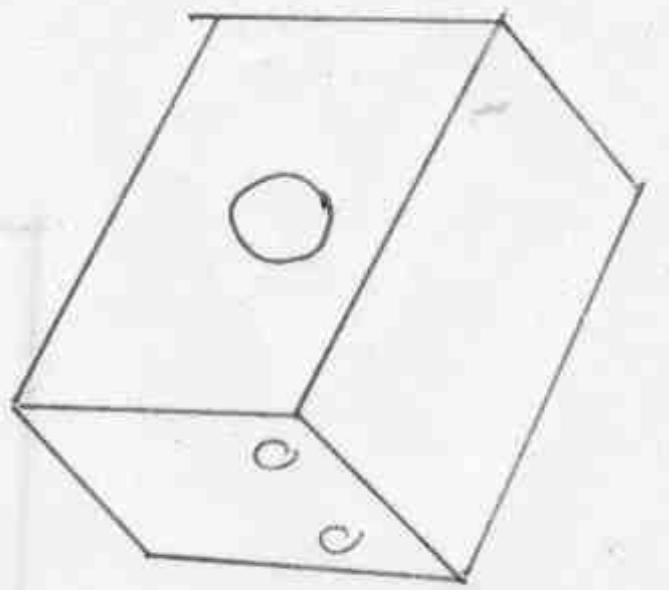


④ / ⑧ U.G. CABLE CAPACITANCE TEST.



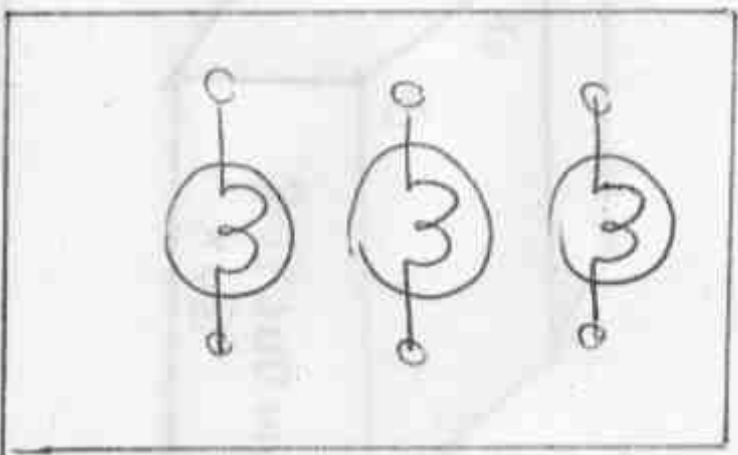
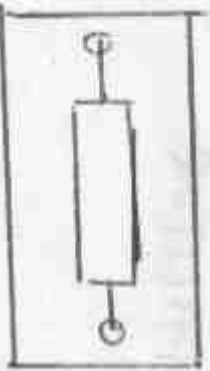
U.G. V

④ / ⑧

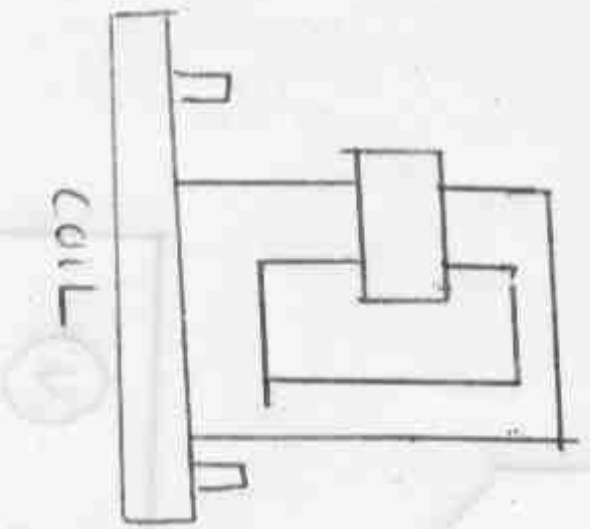
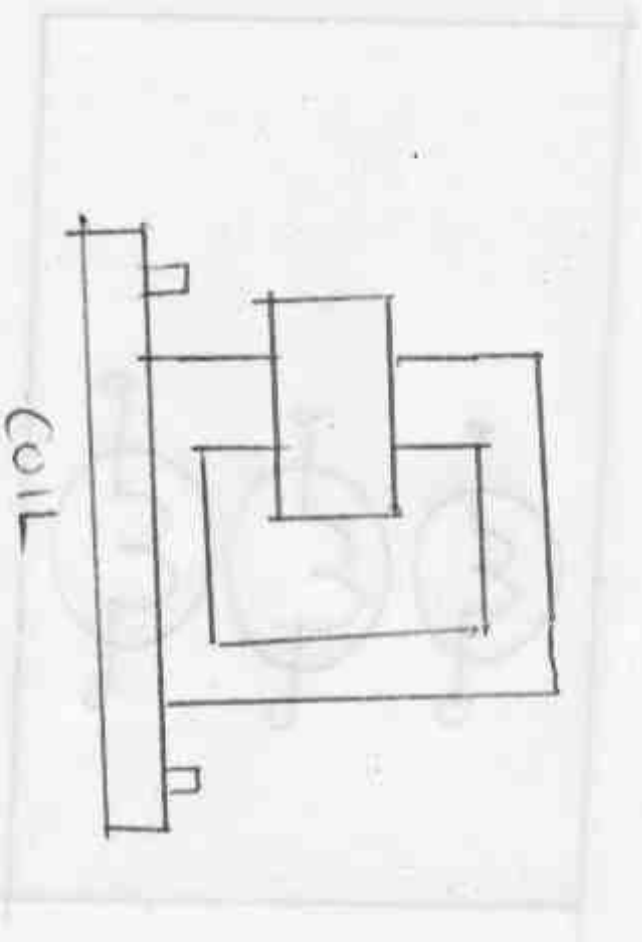


VARIAC

RESISTOR



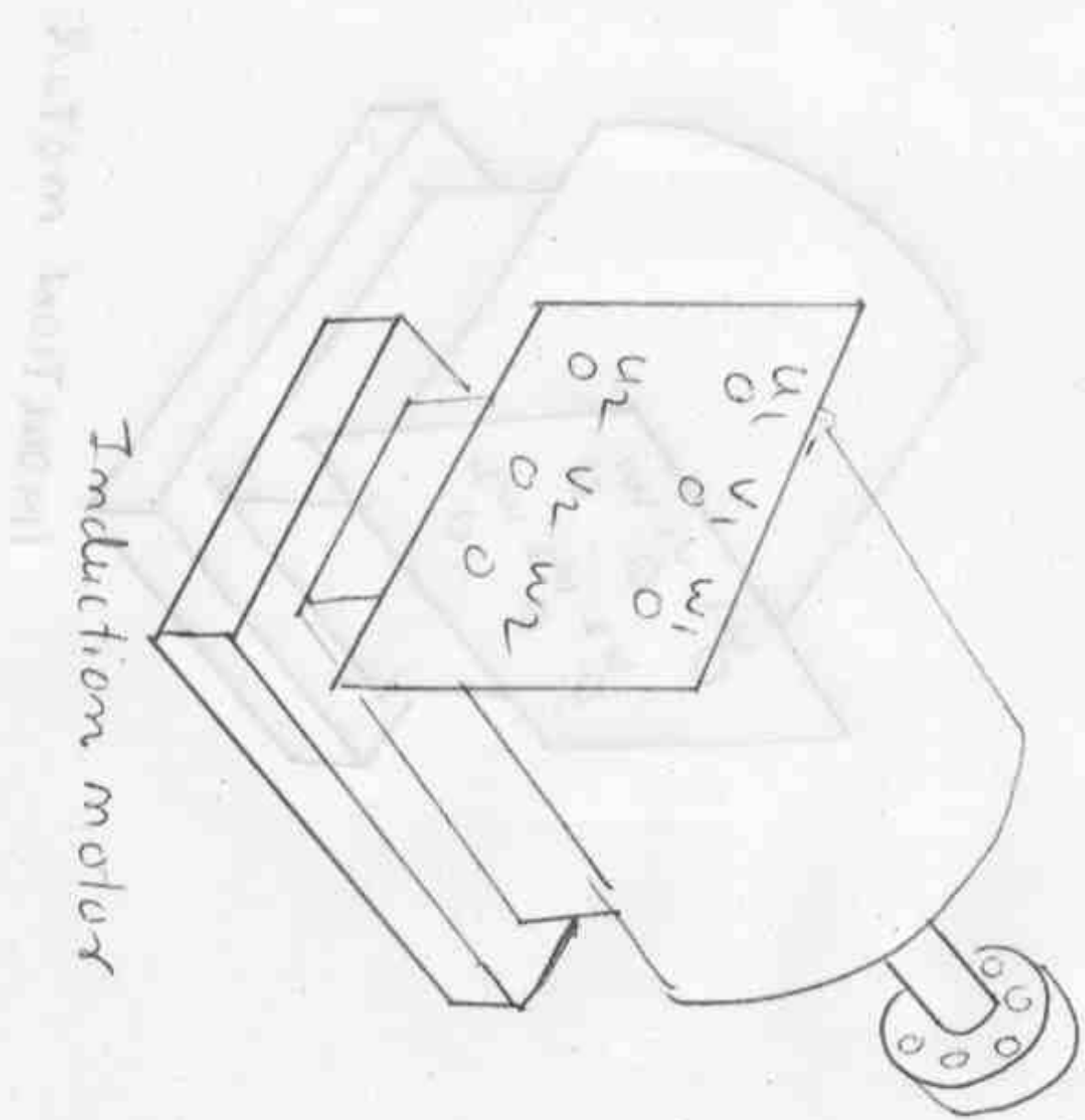
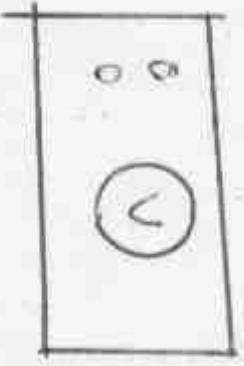
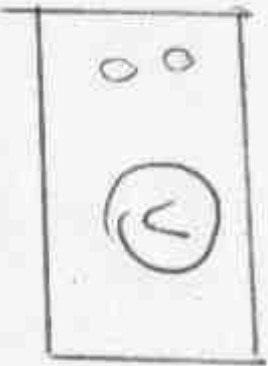
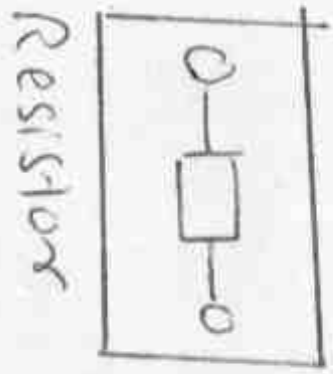
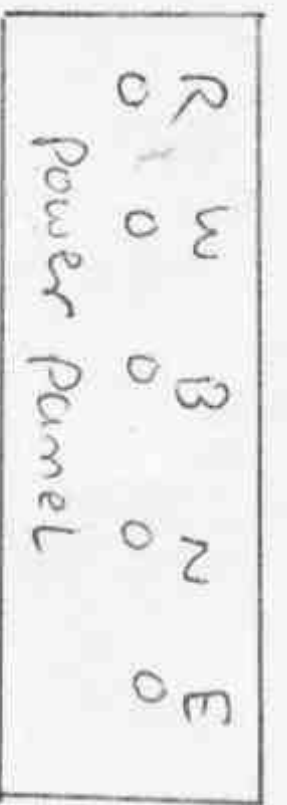
Lamp



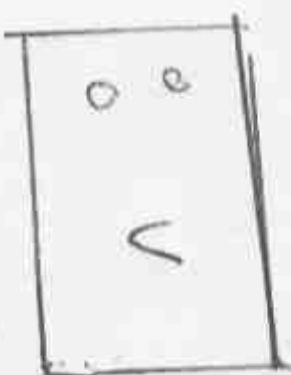
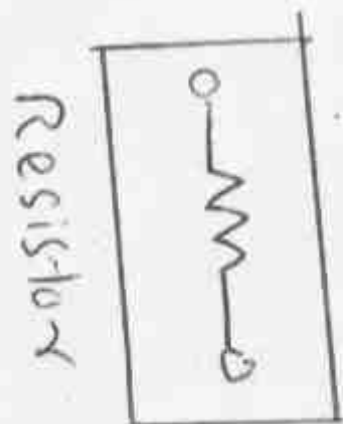
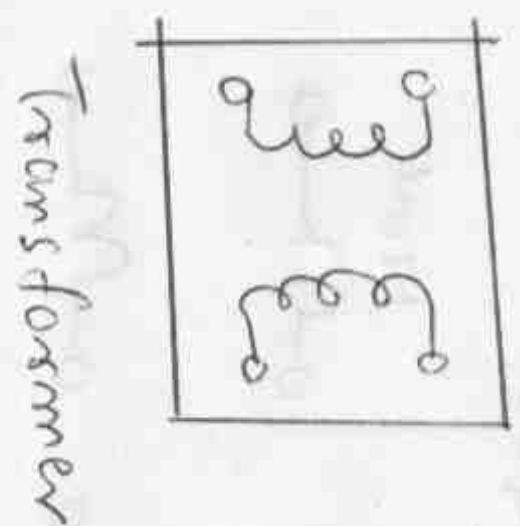
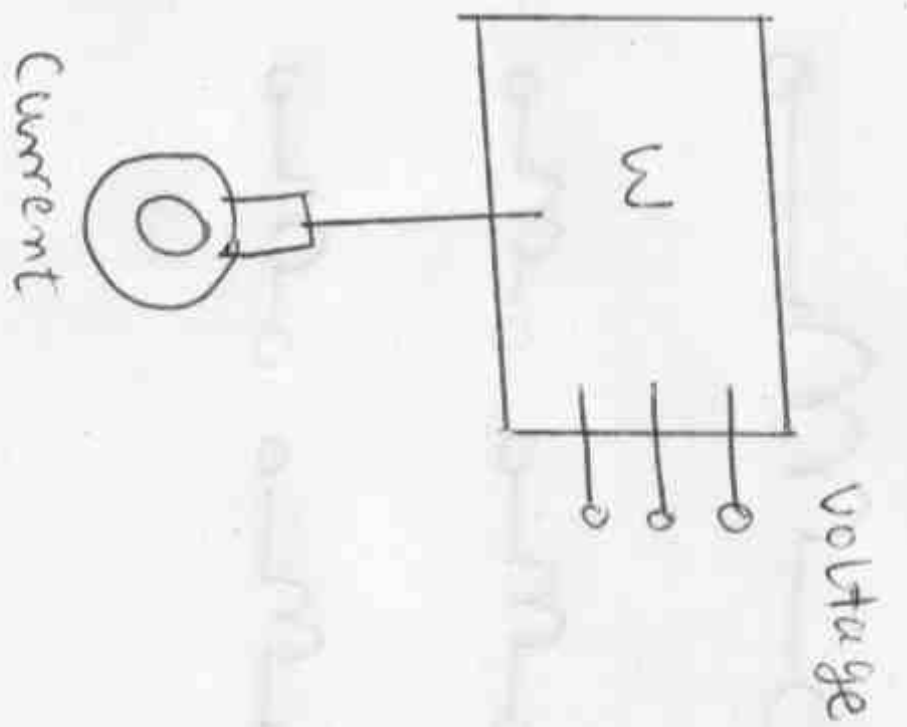
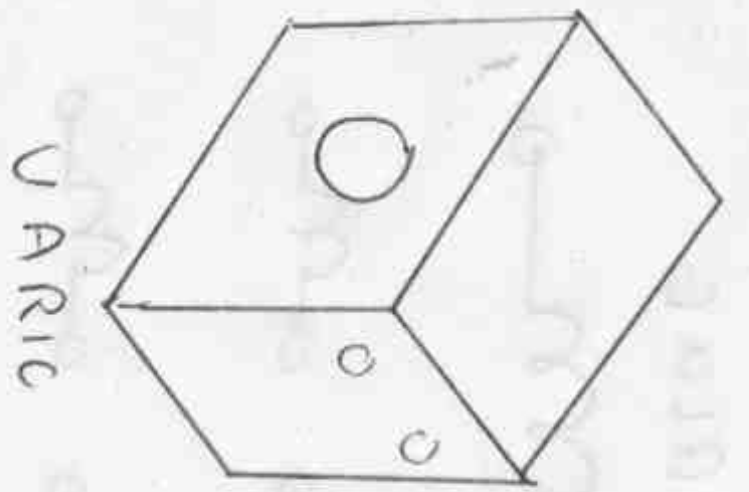
④ / ⑨ Practical Coils - voltage Profile chart

Disturbance (or) (A)

L-L-415V, L-N=24V



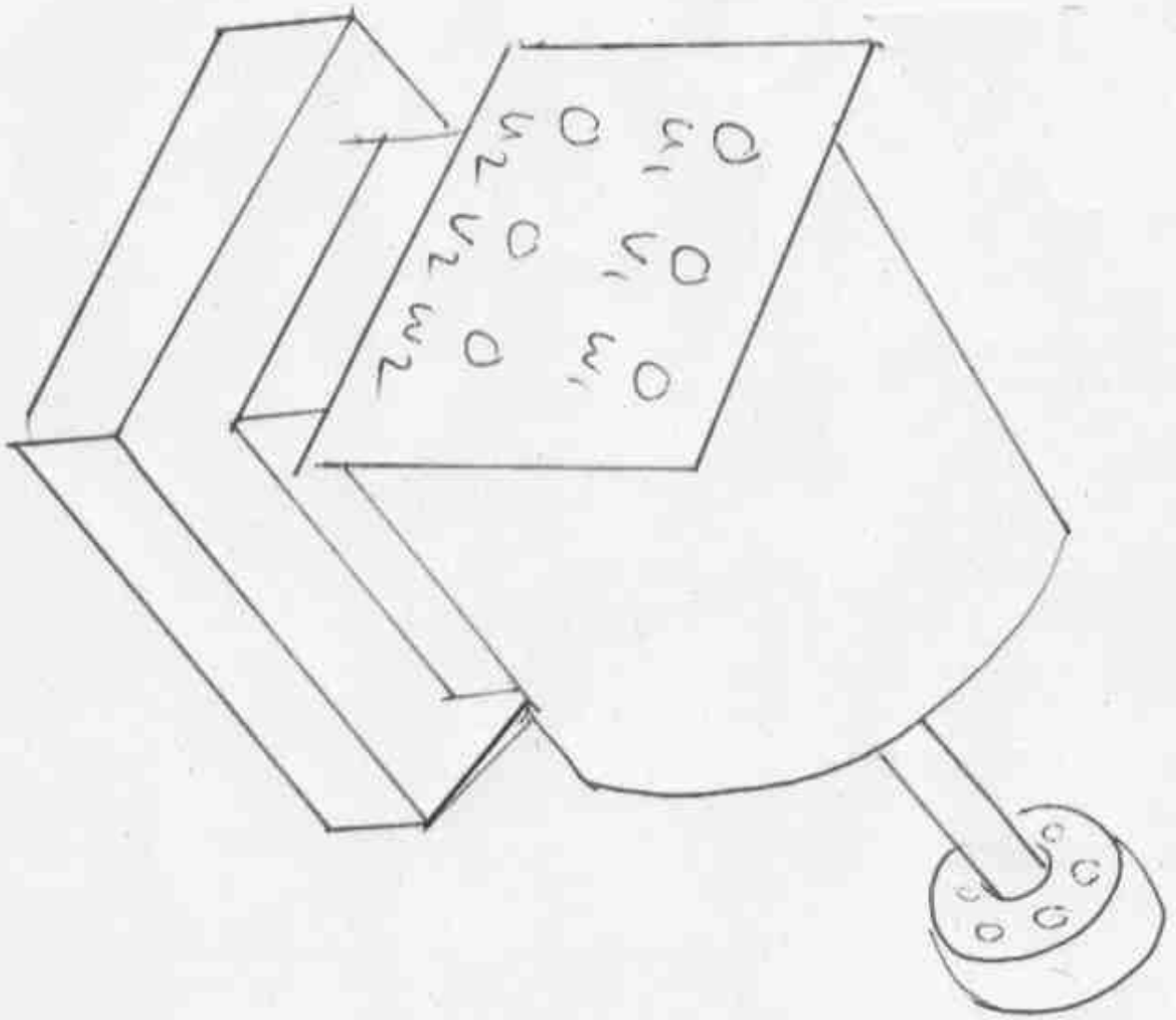
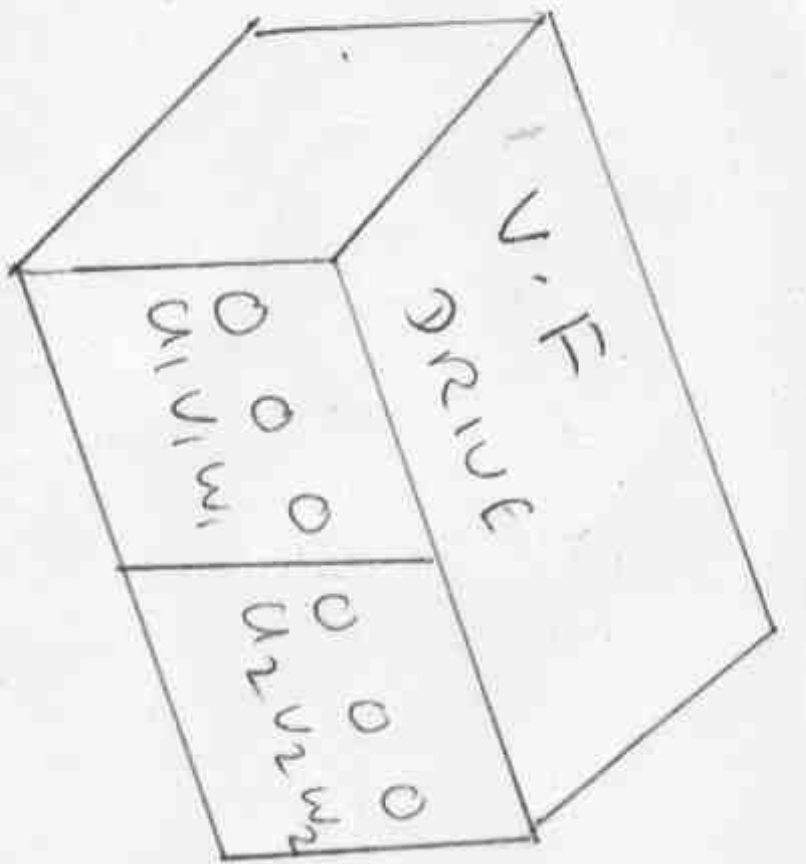
⑤ / ① Practical E029 motor winding impedance



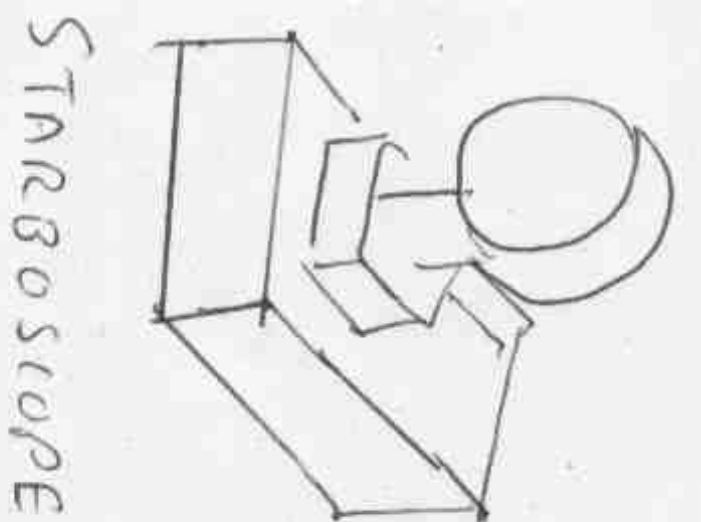
⑤ | ⑩ Transformer Open circuit / Short circuit test

⑫ | ⑬

⑭ | ⑮

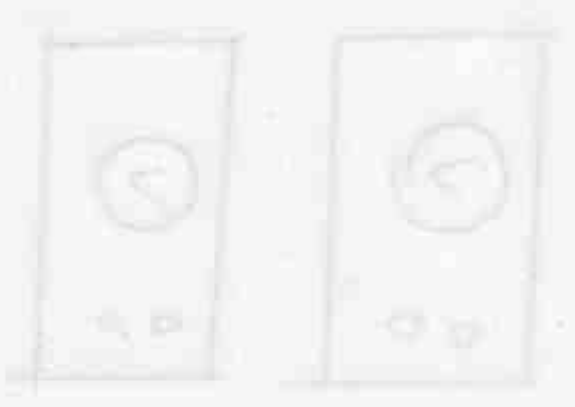
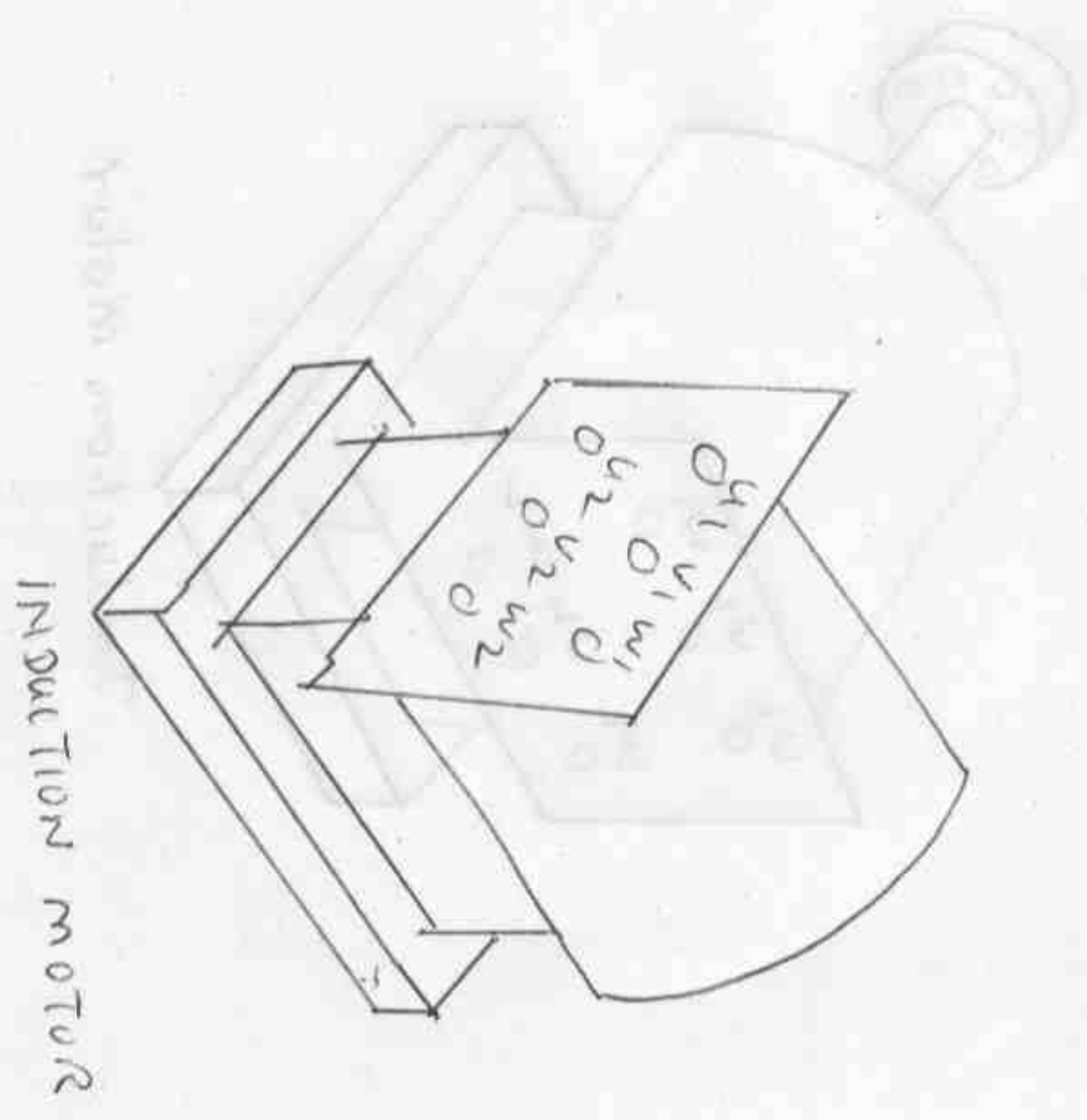
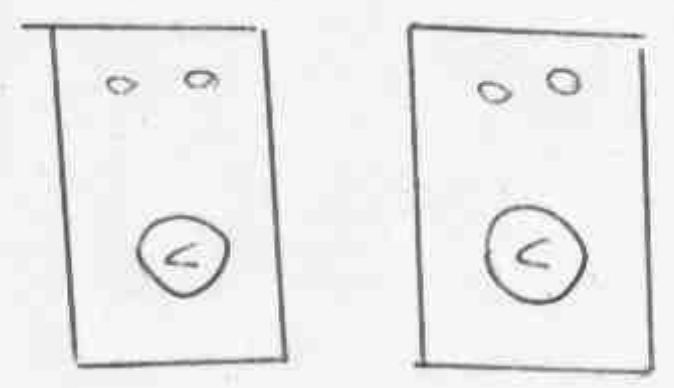
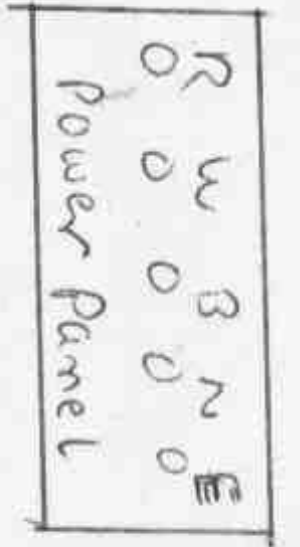


3φ INDUCTION MOTOR



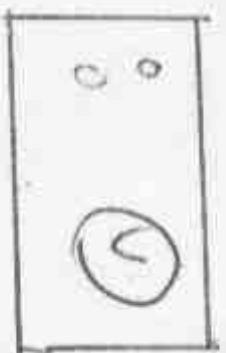
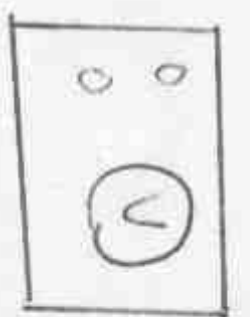
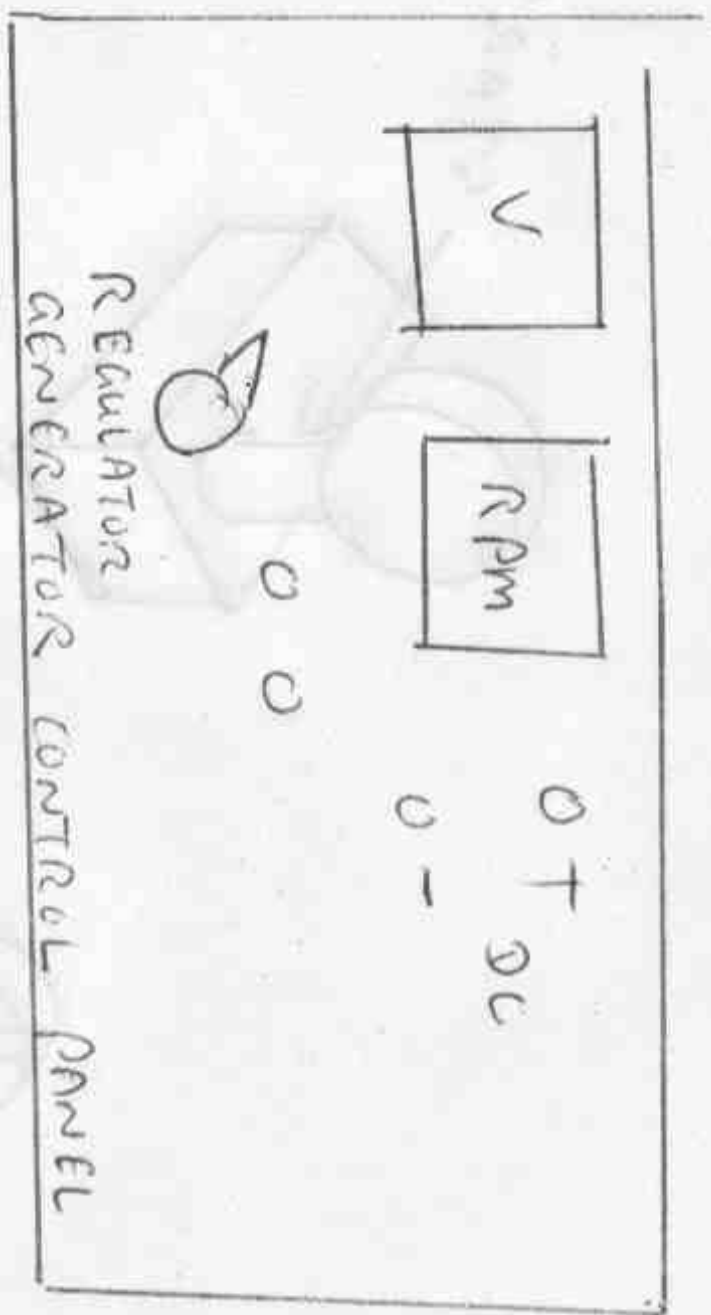
STROBOSCOPE

⑤ / ② VARIABLE SPEED DRIVE

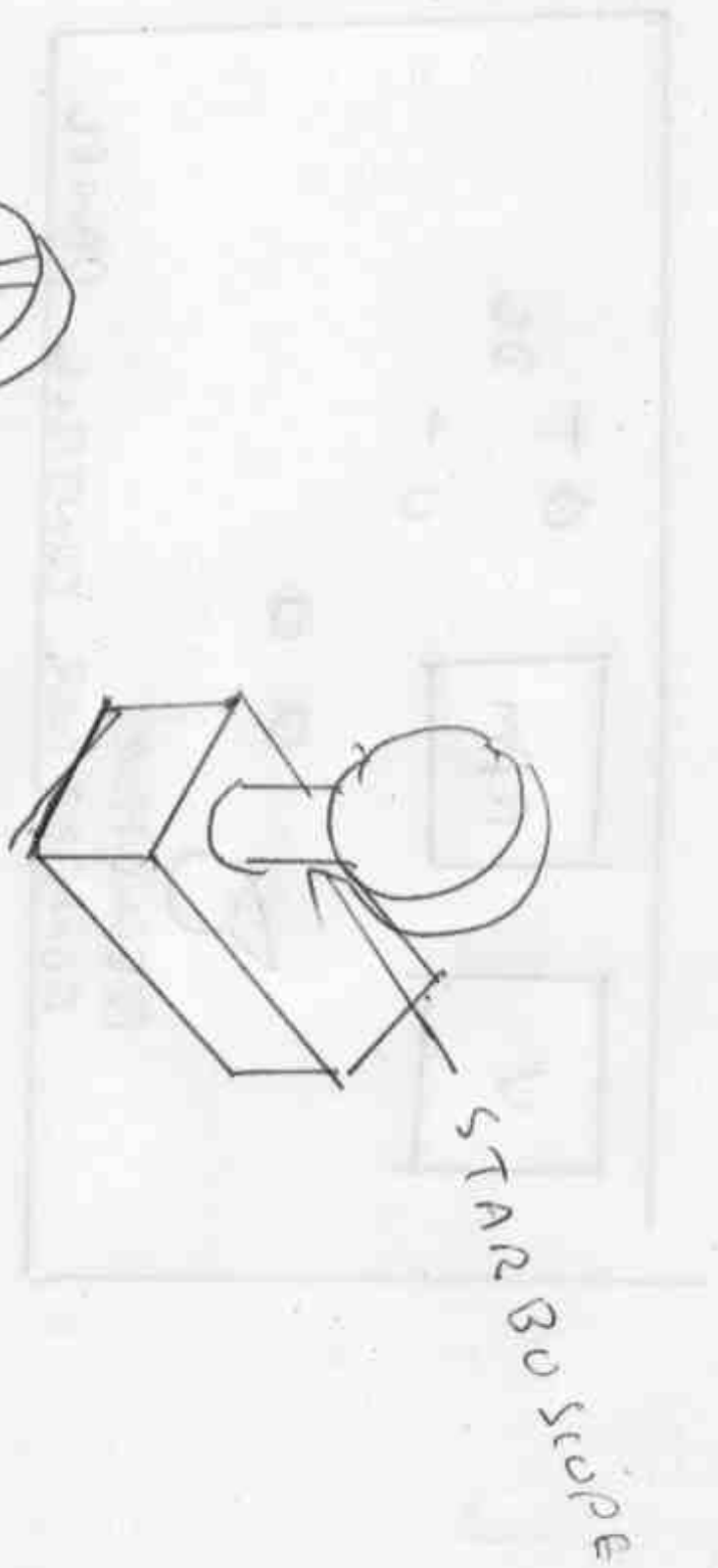
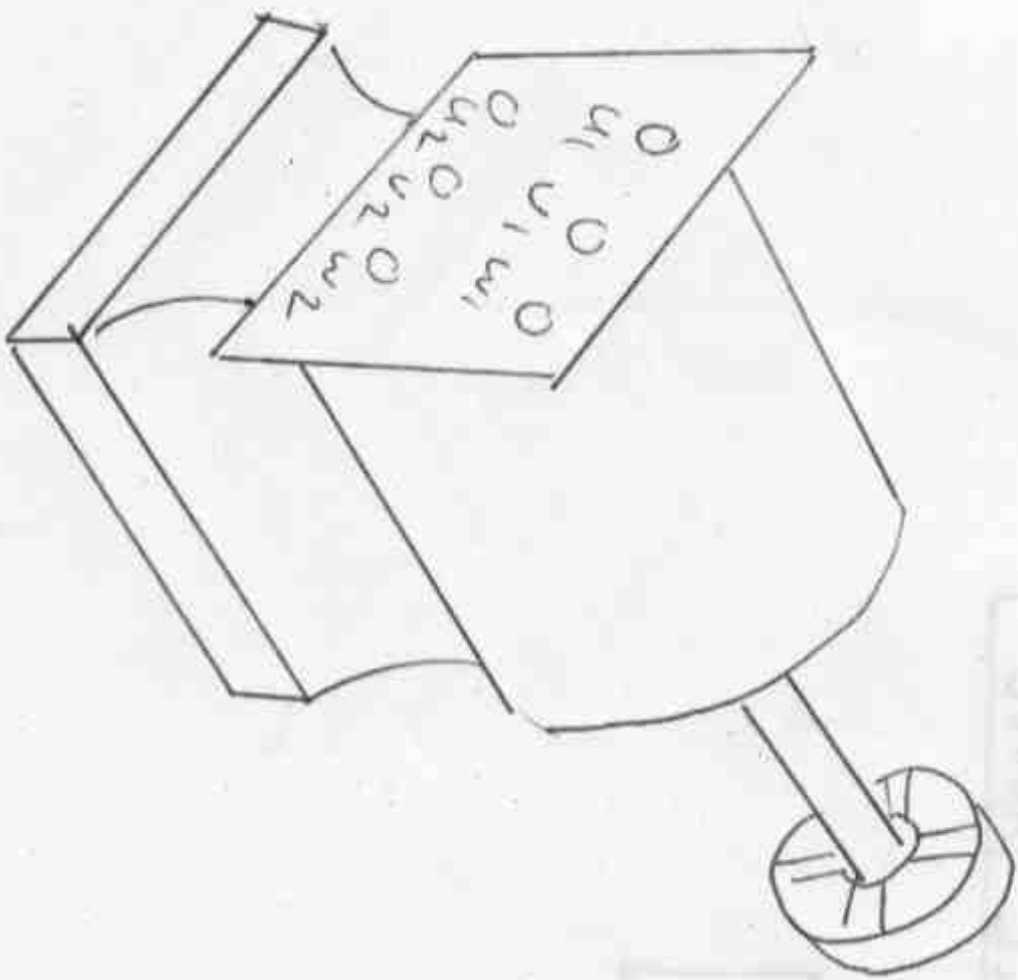
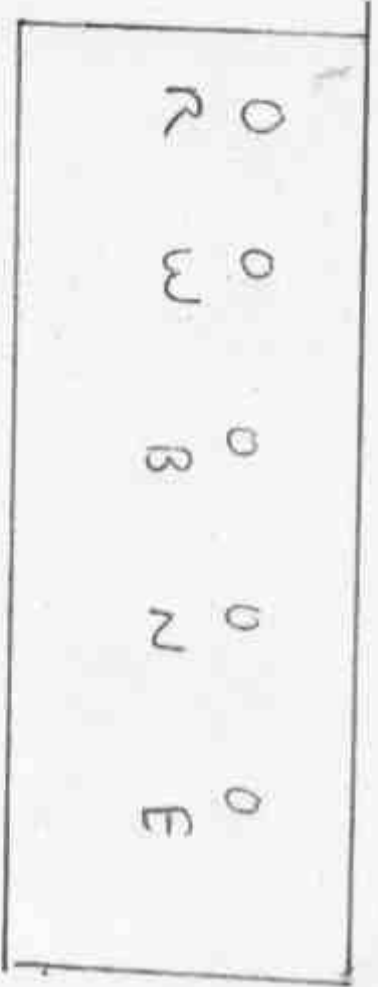


⑤ / ② Testing motor polarity

① ②

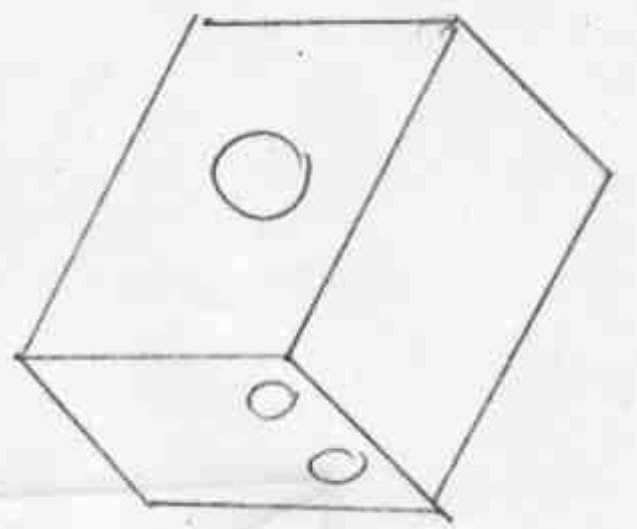


⑤ / ③ generator characteristics Test $\text{voltage } \phi$ ① / ②

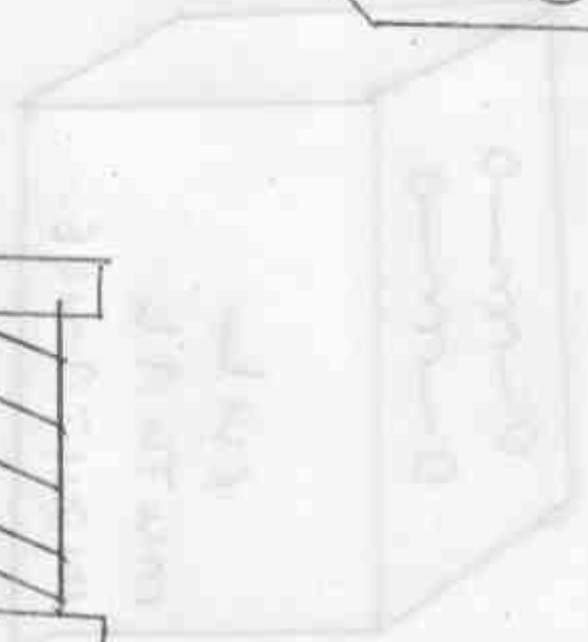


⑤ / ④ 3 φ motor speed measurement

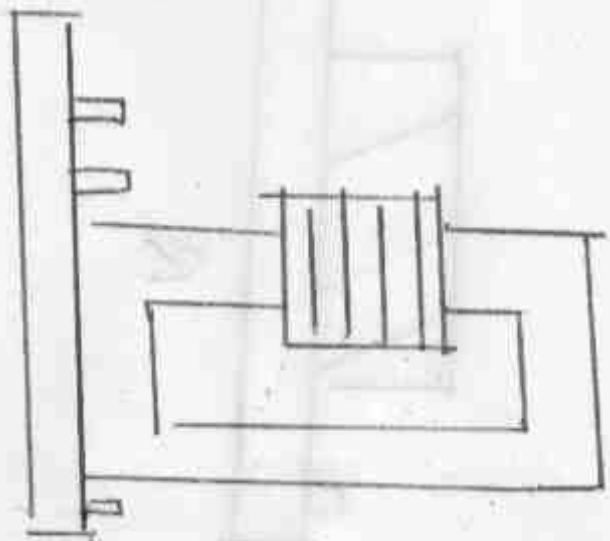
③ | ②



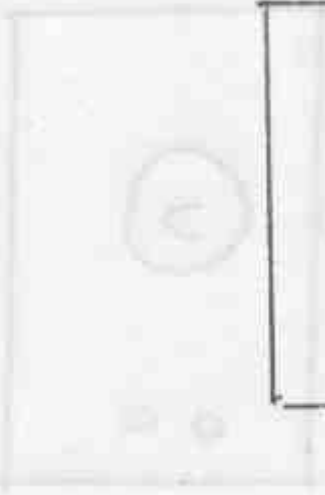
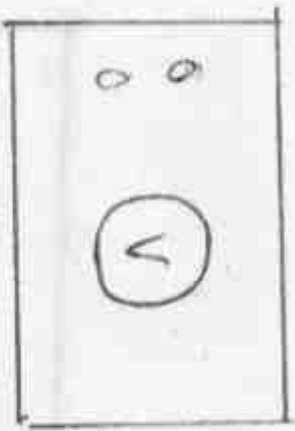
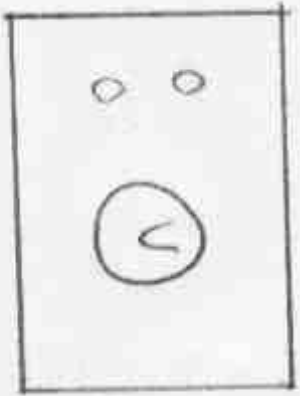
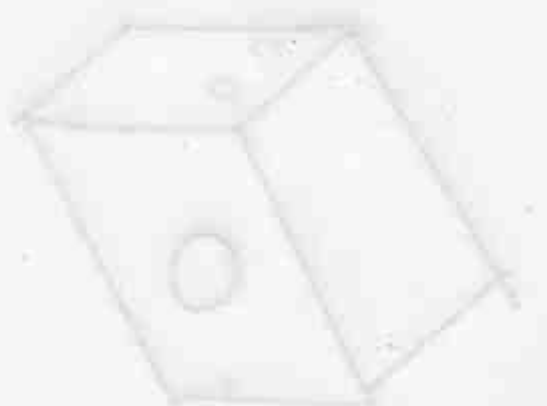
VARIC



Rheostat



coil

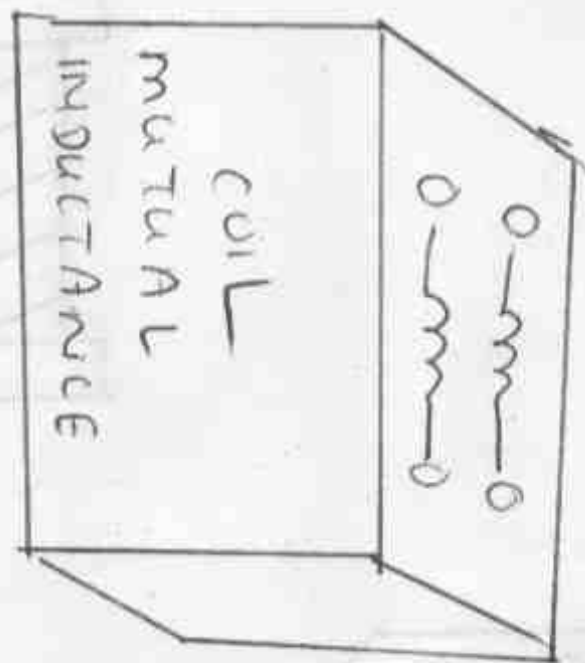
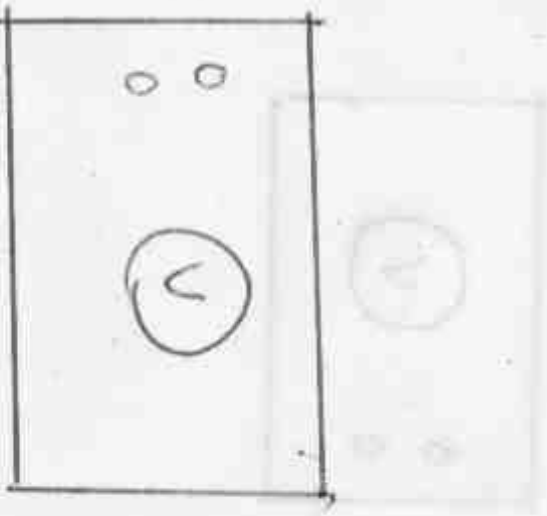
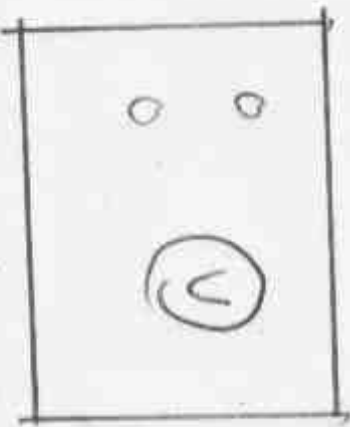
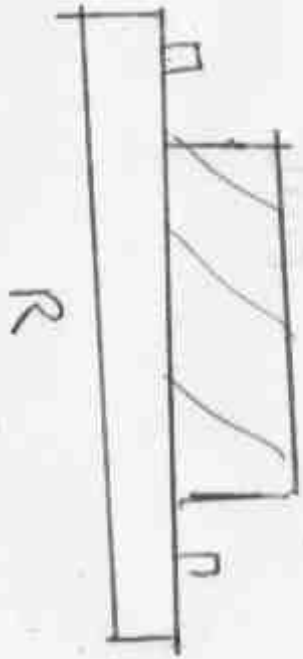
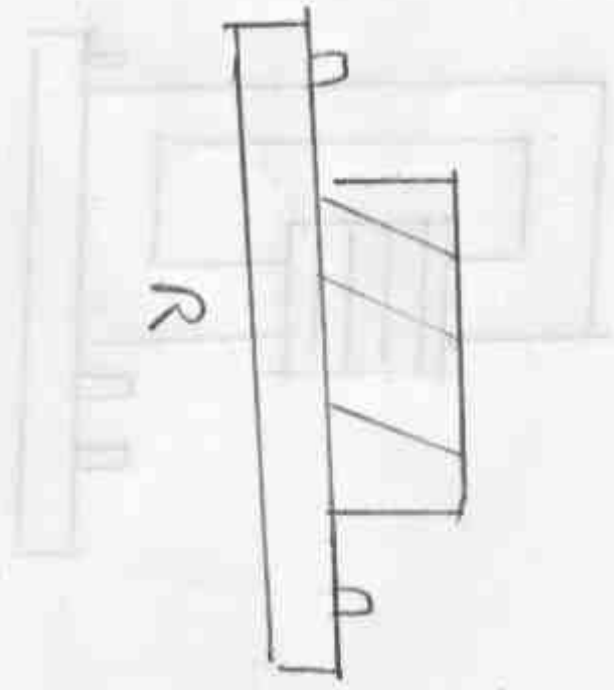
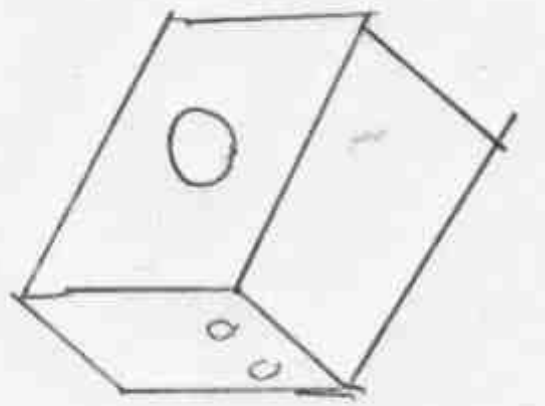


⑤ / ⑤ COIL INDUCTANCE

submit diagram

②

②

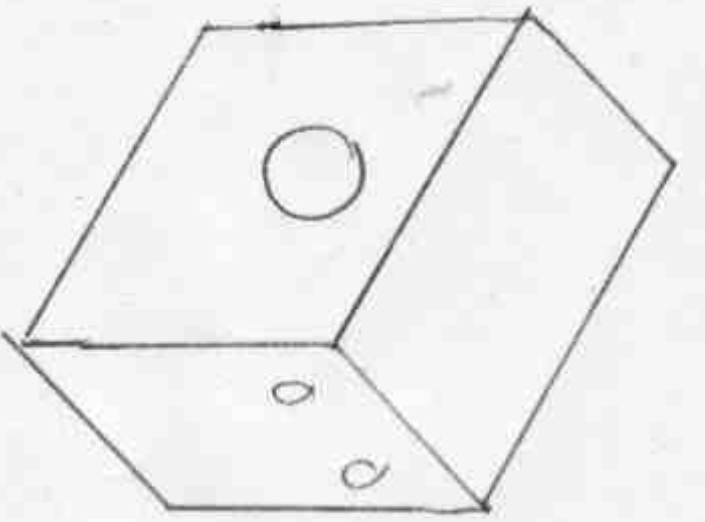


COIL MUTUAL INDUCTANCE

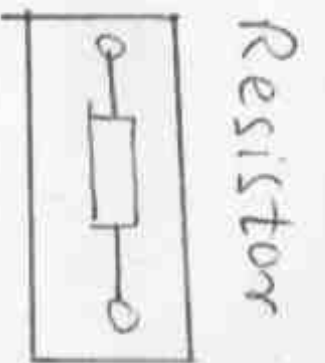
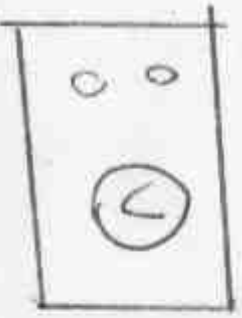
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2

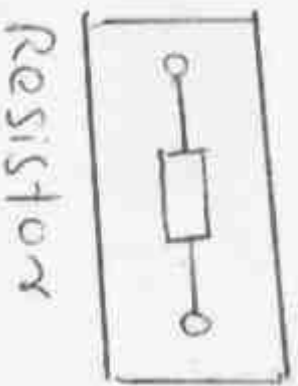
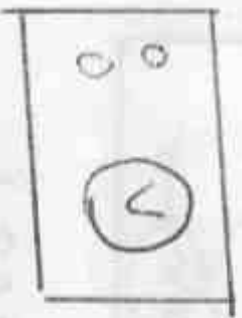
5 / 6 mutual Inductance



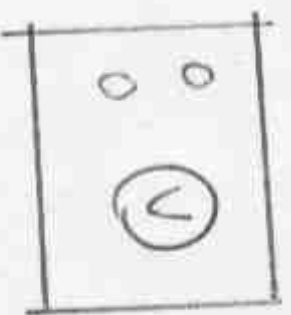
VARIC



Resistor



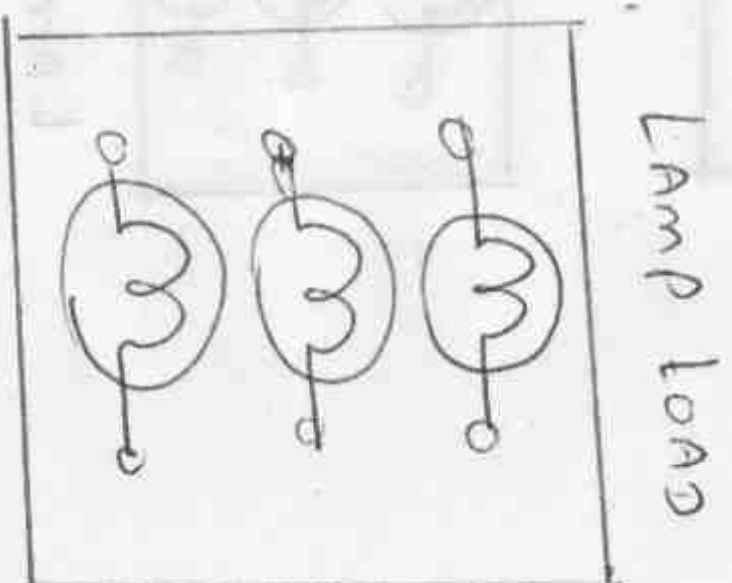
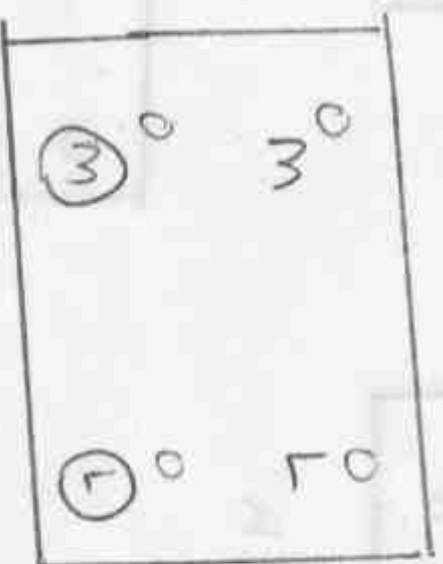
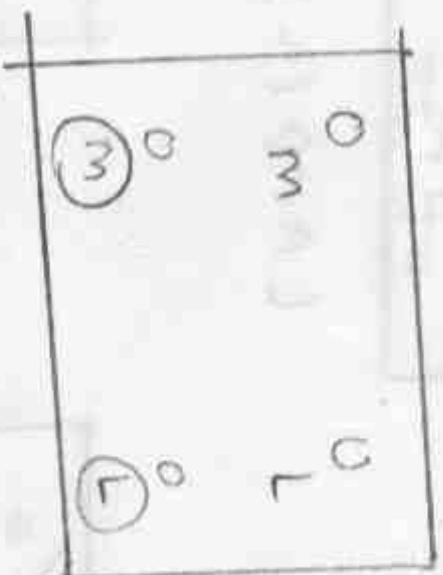
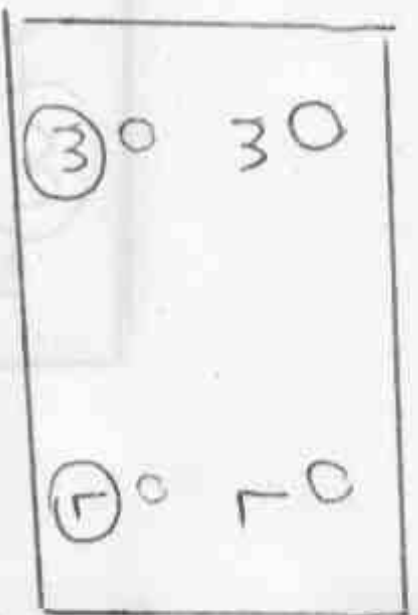
Resistor



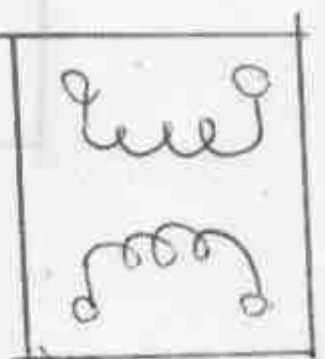
RHEOSTAT



Current Transformer



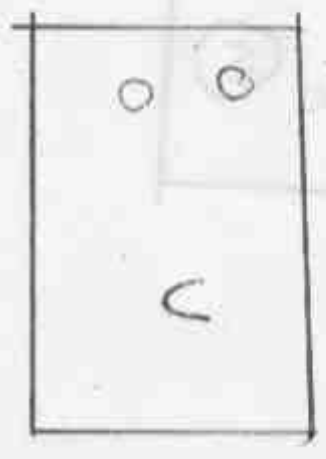
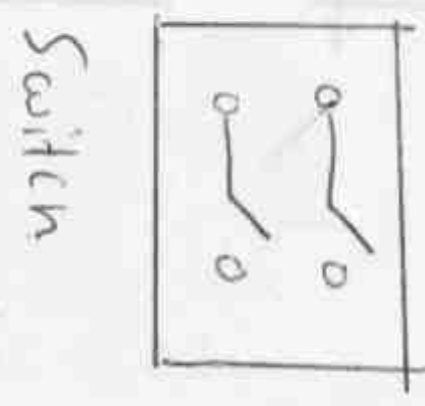
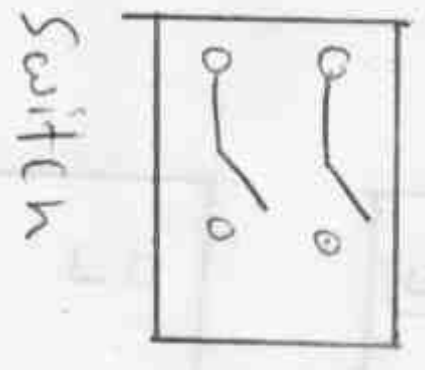
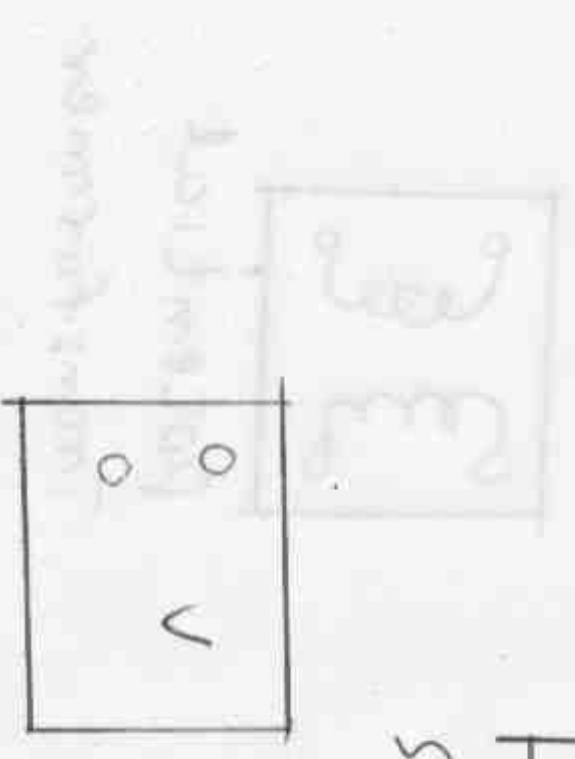
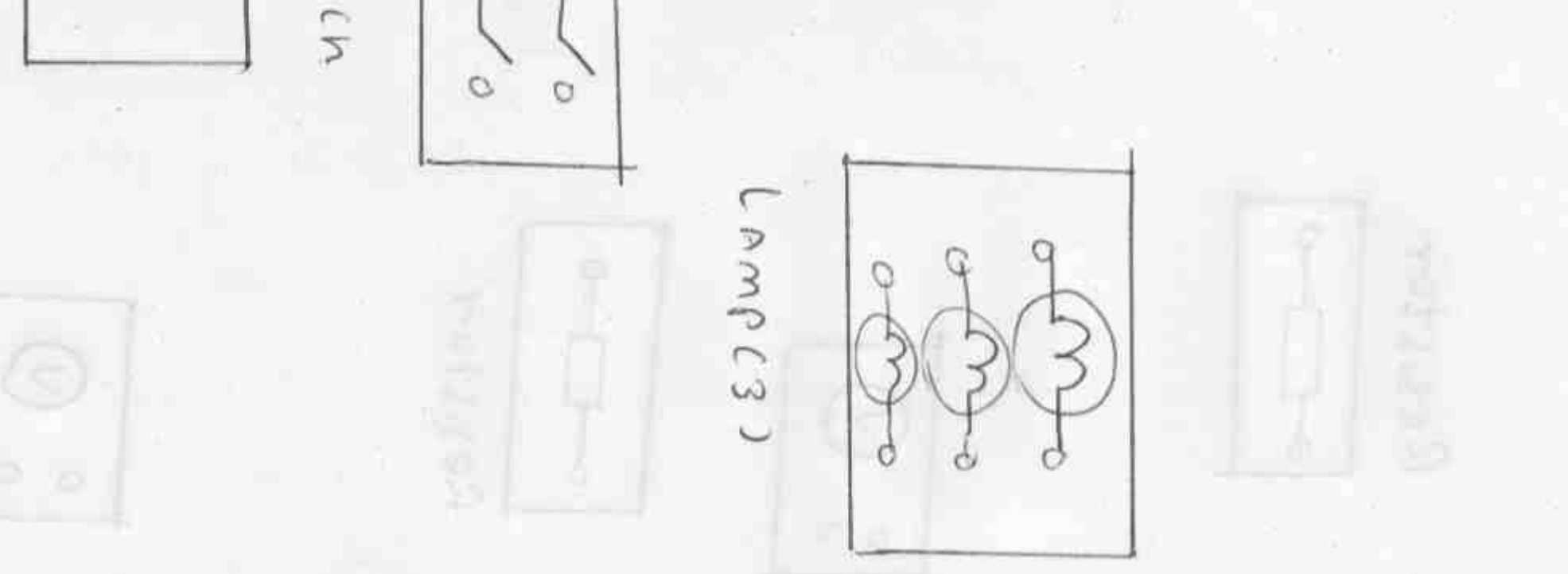
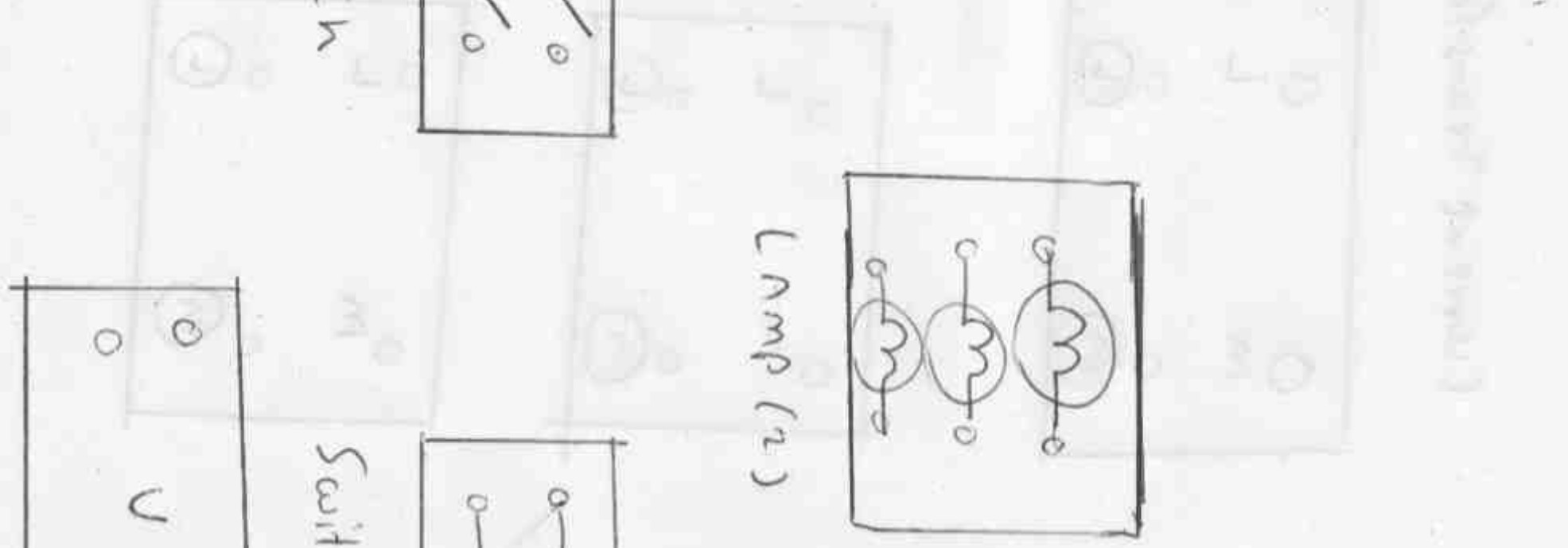
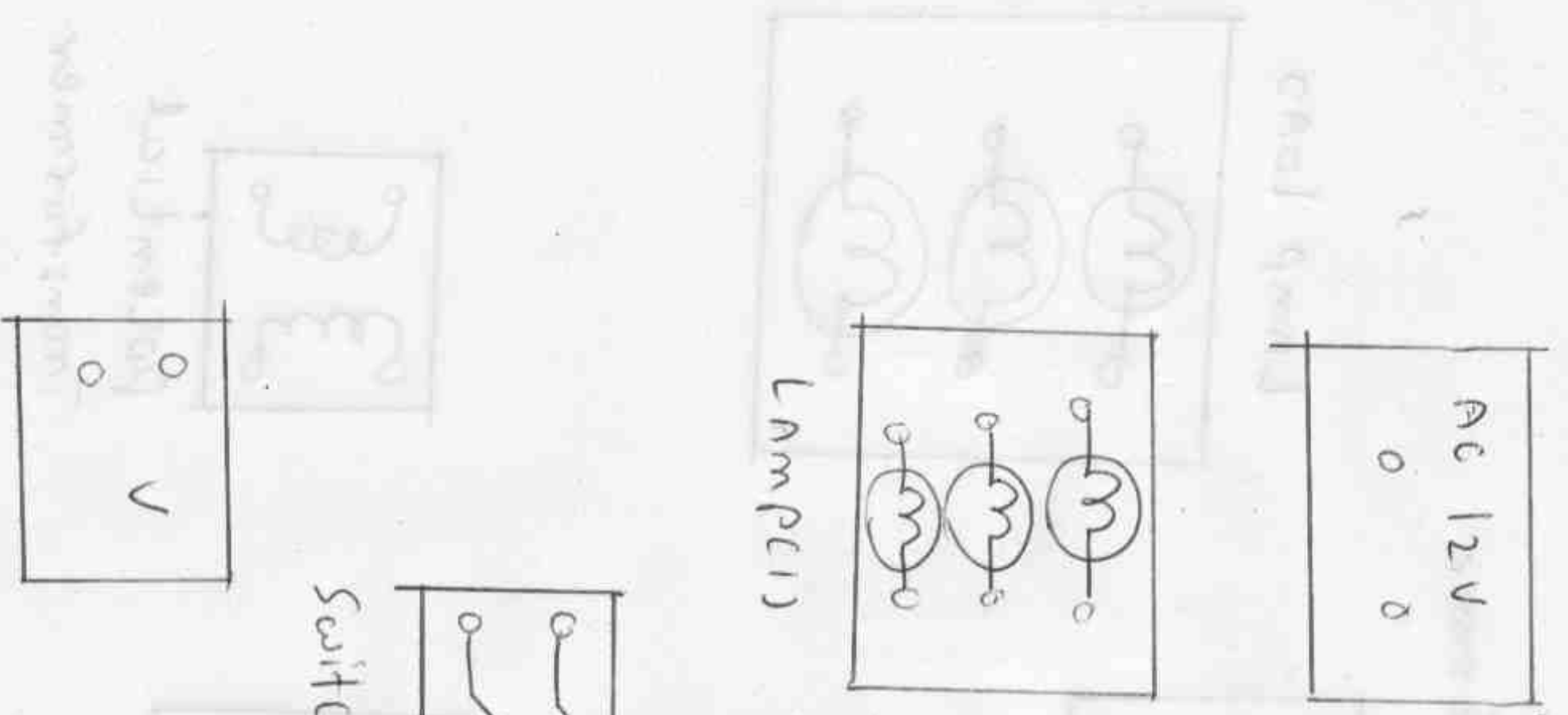
Lamp Load



Potential Transformer

5 / 7

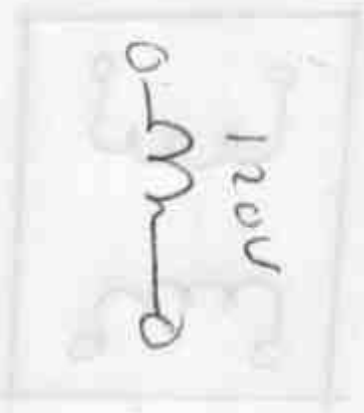
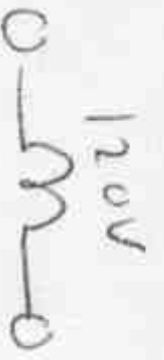
CT, PT Power system measurement



5 / 8 Practical No 40 Power Transformer
7. Regulation

(1) (2)

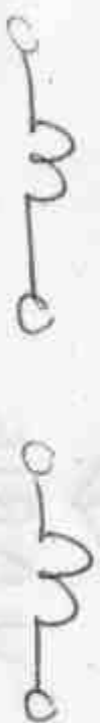
RED



WHITE



BLUE

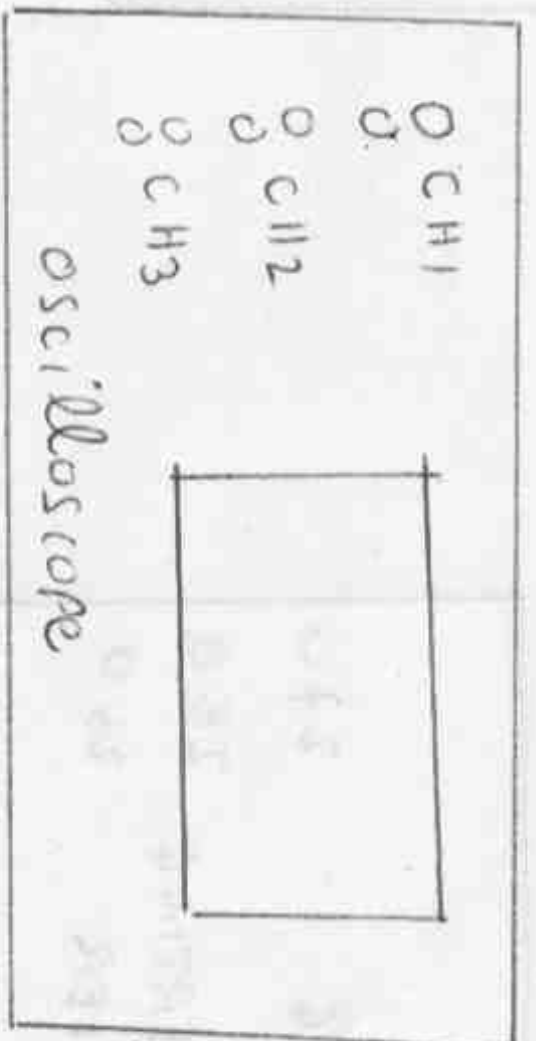
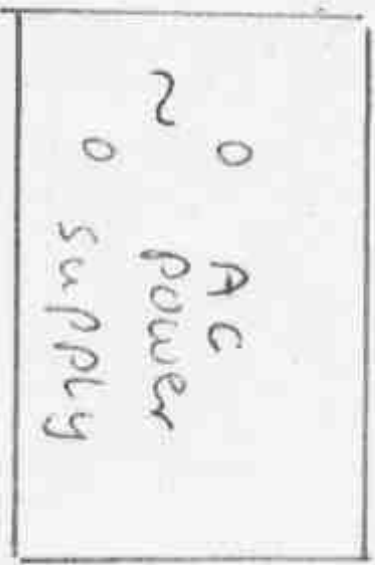
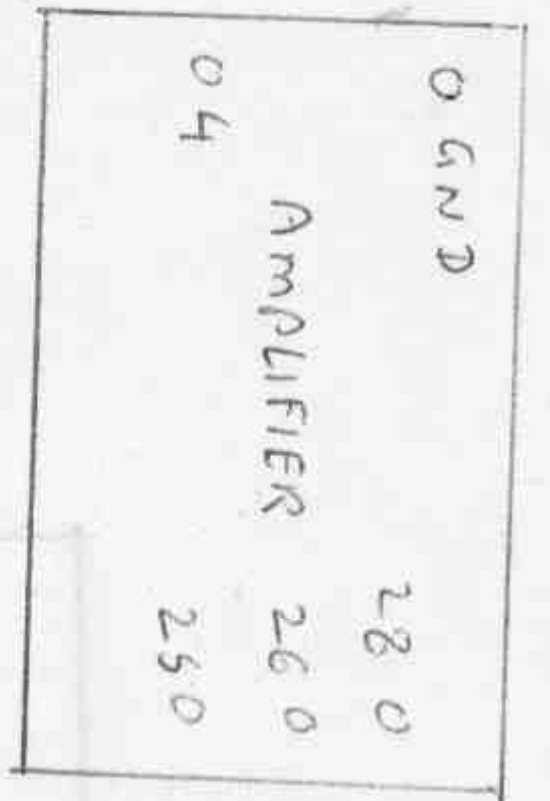


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Handwritten notes on the left side of the page.

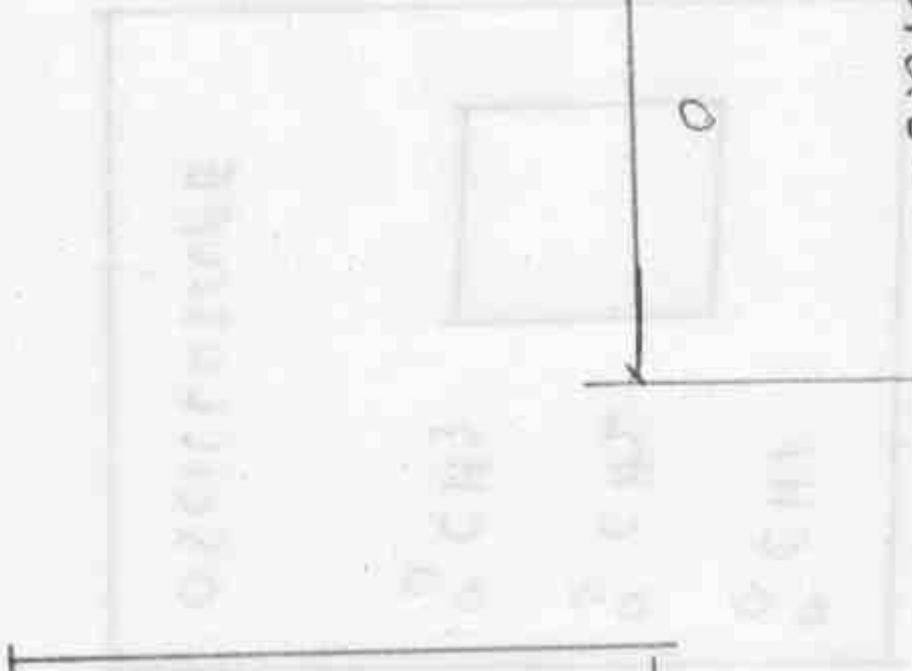
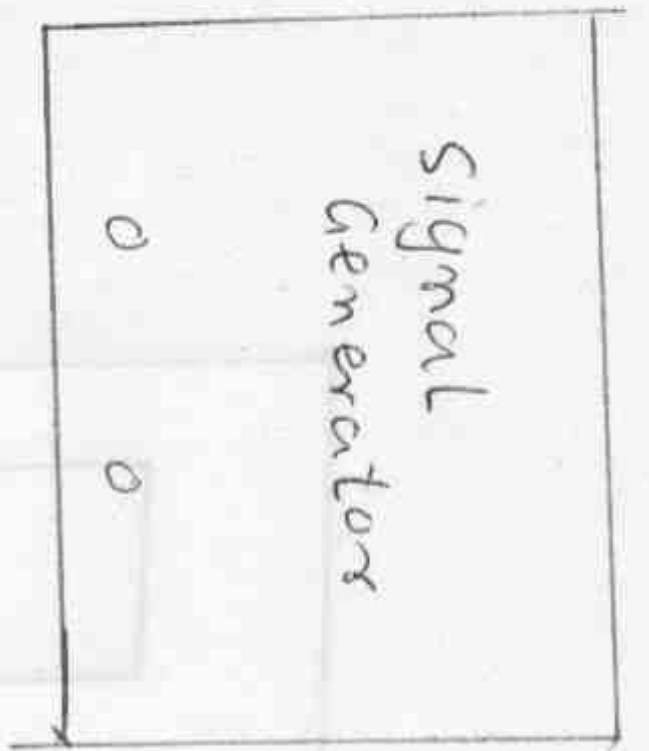
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⑤ / ⑨ Transformer connection

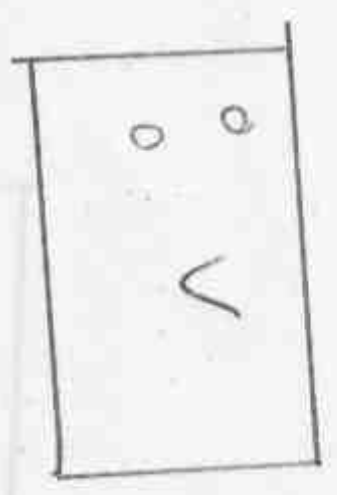
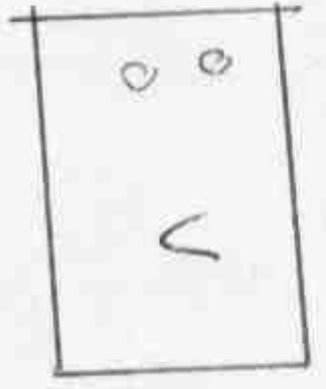
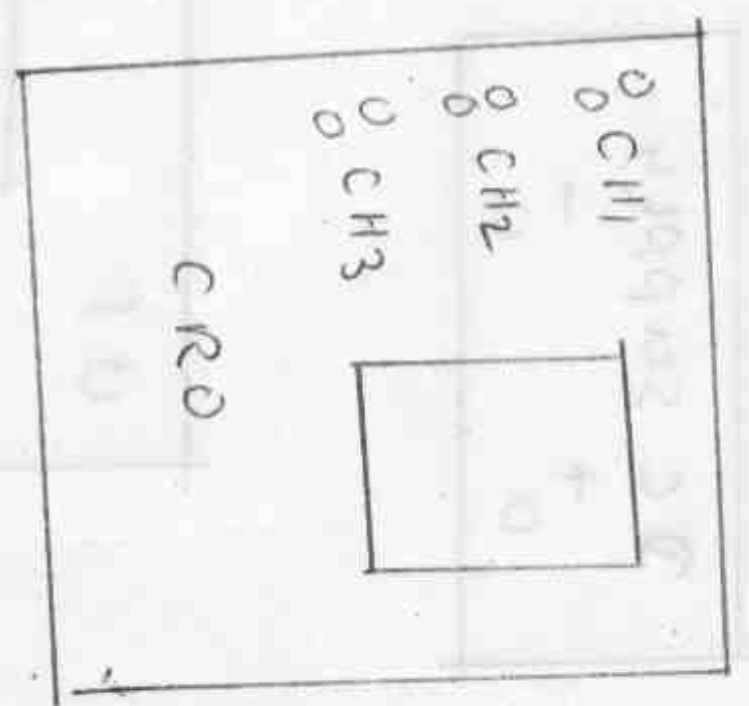


⑥ / ① Class A + B Amplifier

⑤ / ②

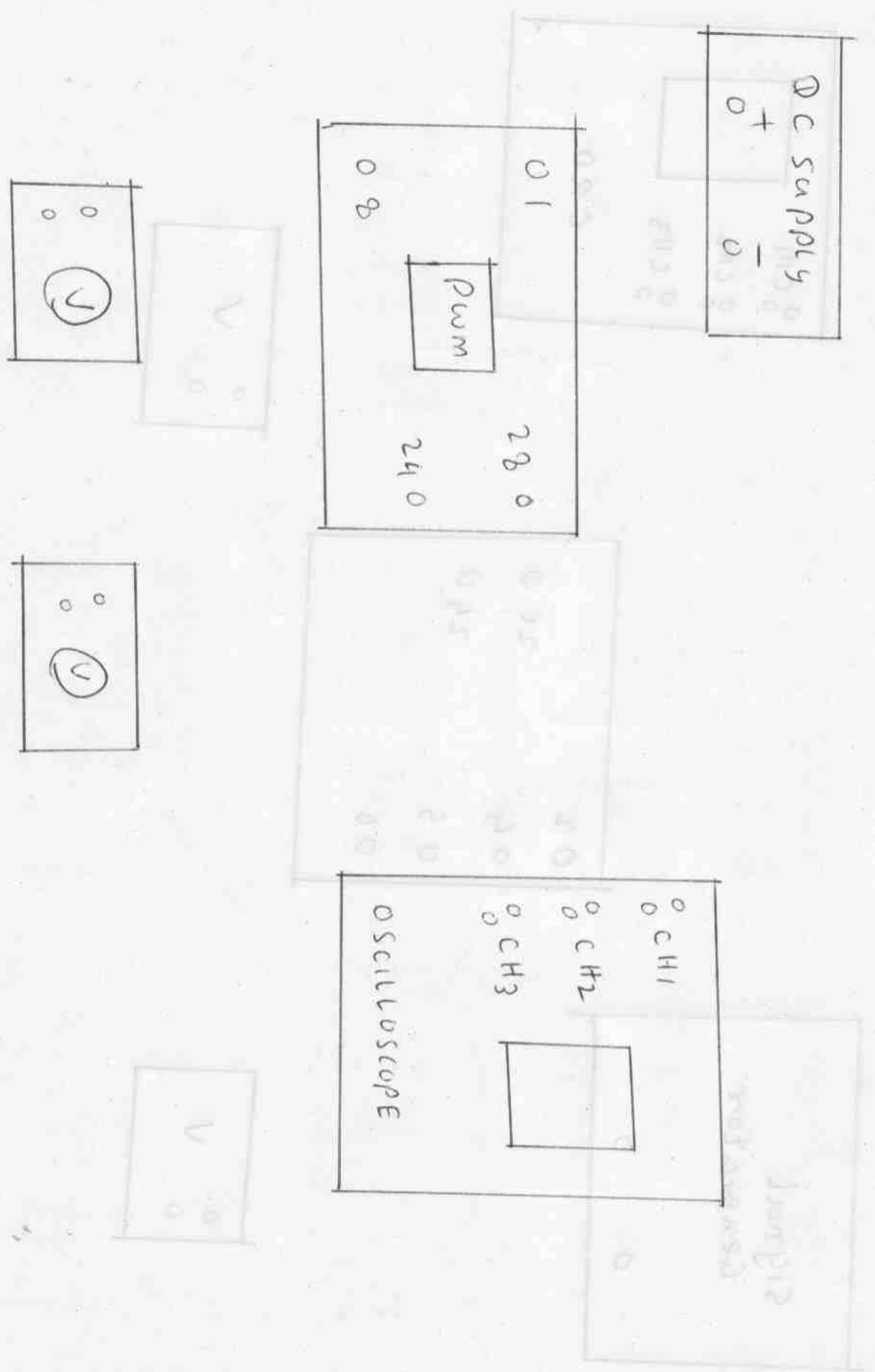


0 2	2 6 0
0 4	2 4 0
0 5	
0 6	



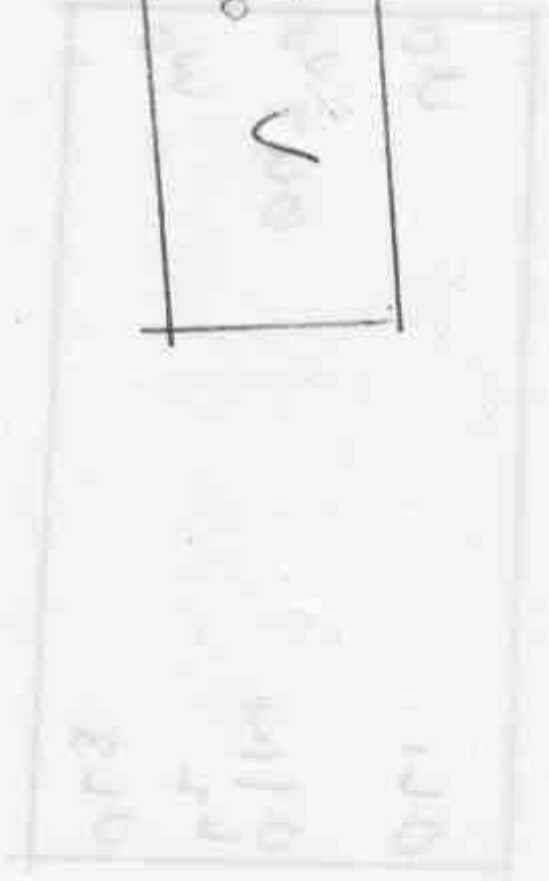
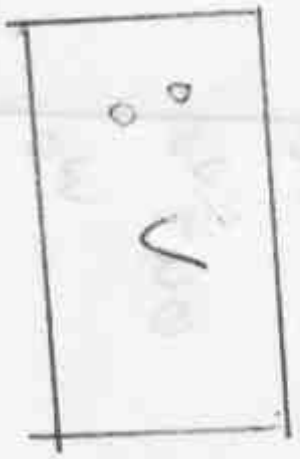
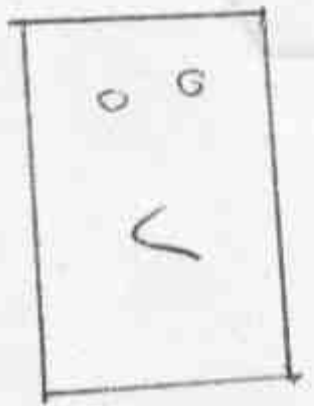
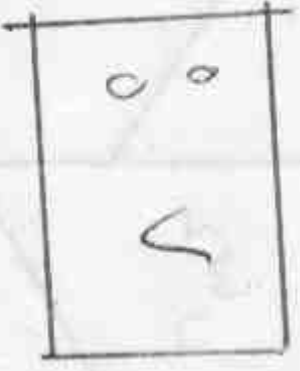
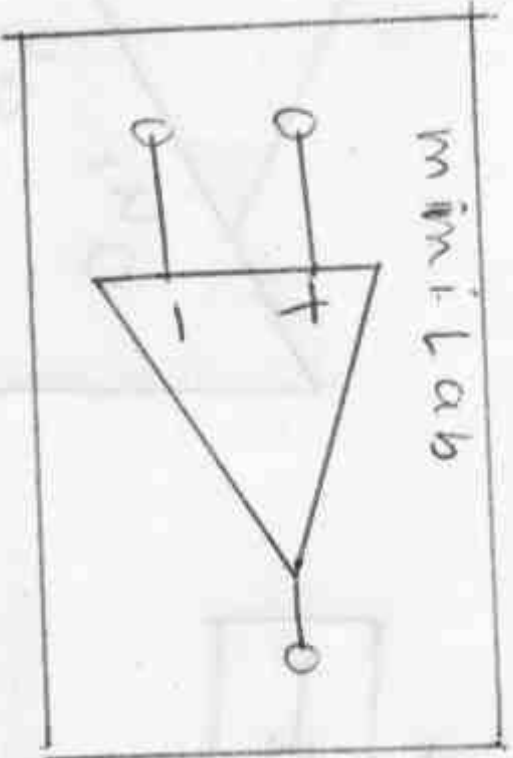
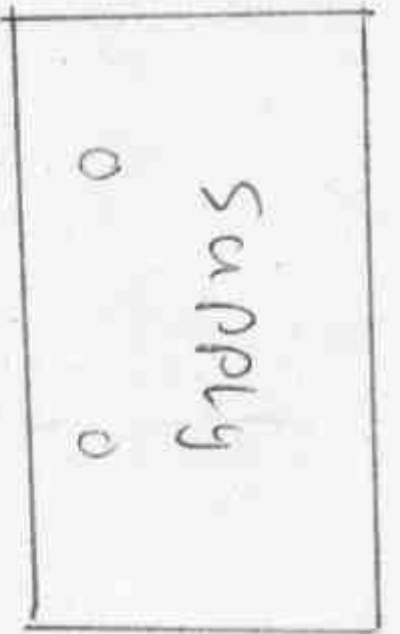
⑥ / ⑩ Practical HO26 - 3 Terminal regulator

⑪ / ③



⑥ / ⑪ Practical Ho26 Pwm Practical

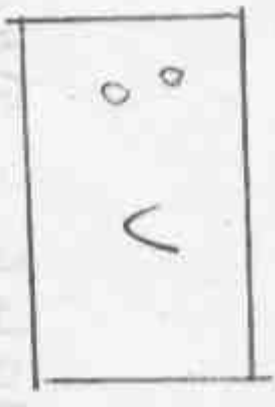
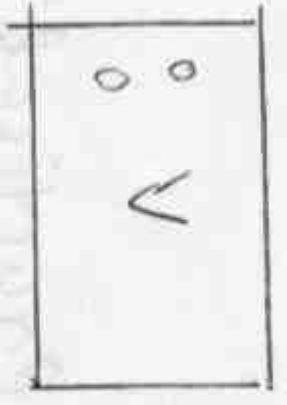
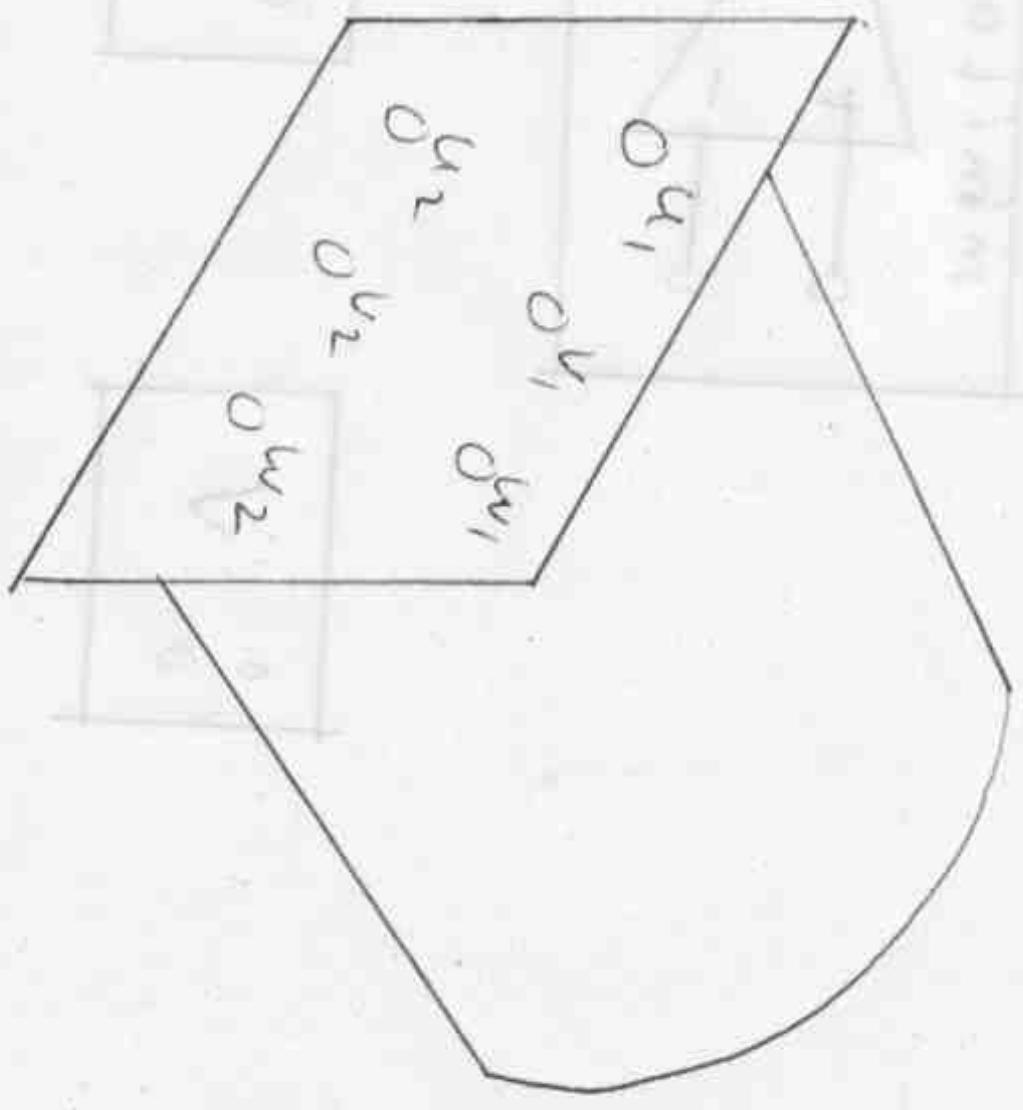
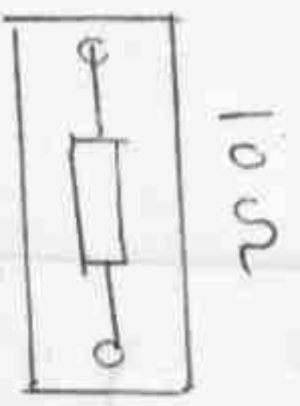
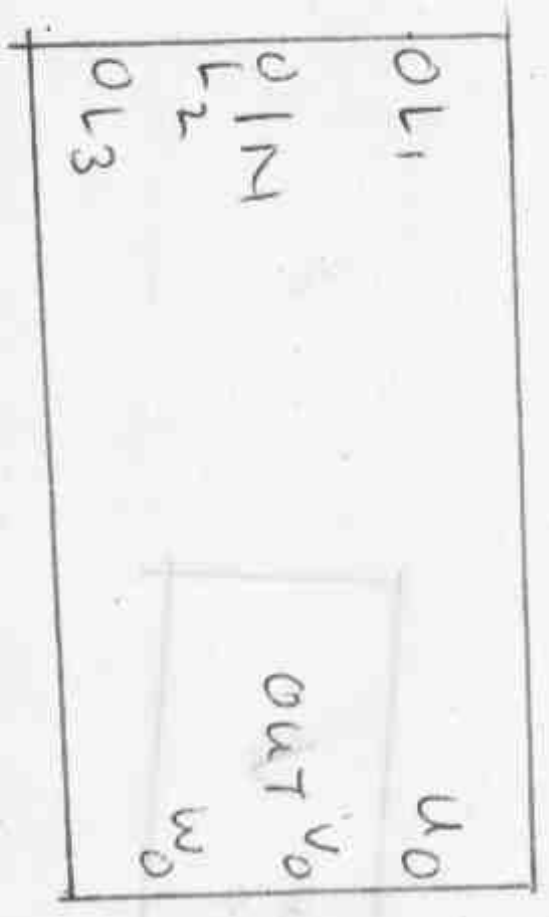
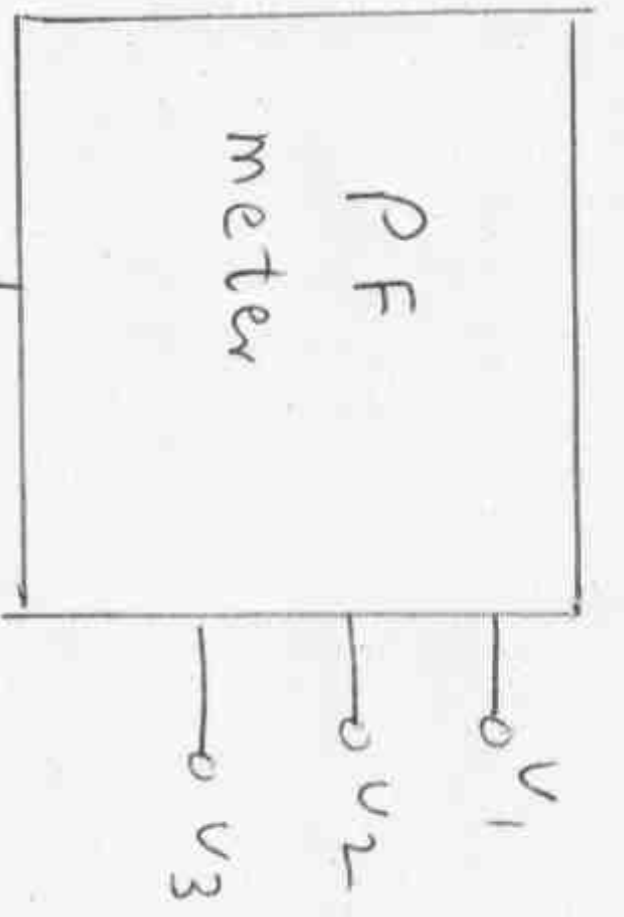
⑩ / ⑫



6 / 12

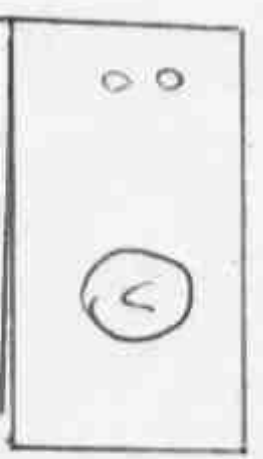
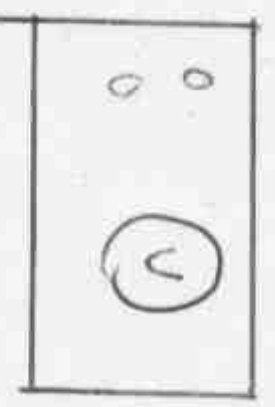
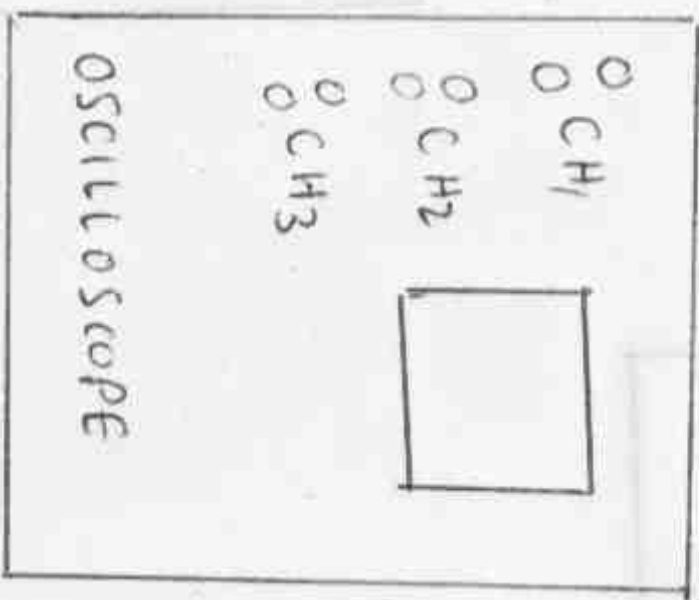
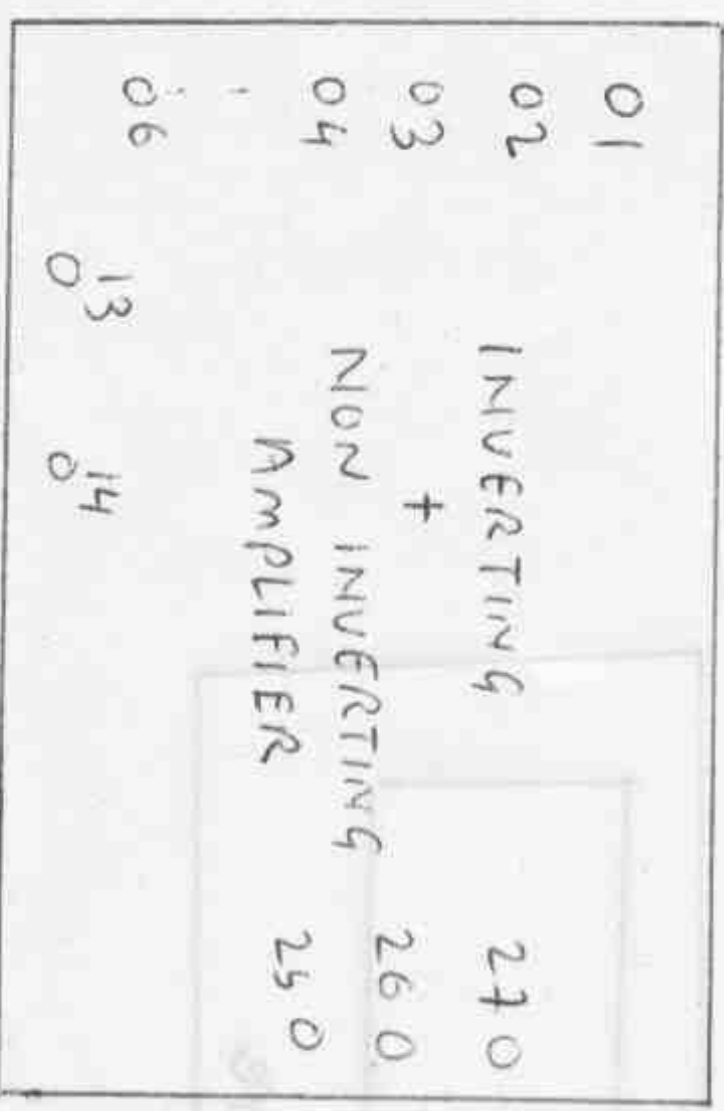
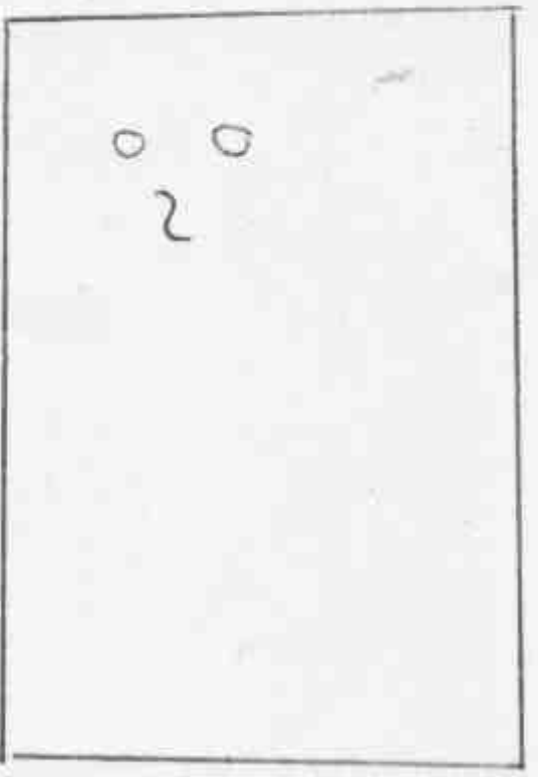
H045 Day 3 Practical mini Lab

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6/13 Practical Hoze Variable Drive system

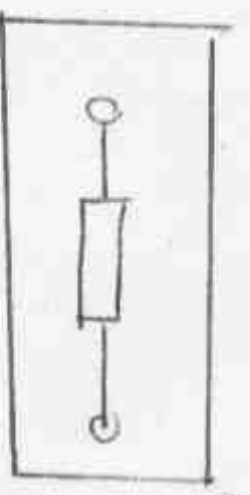
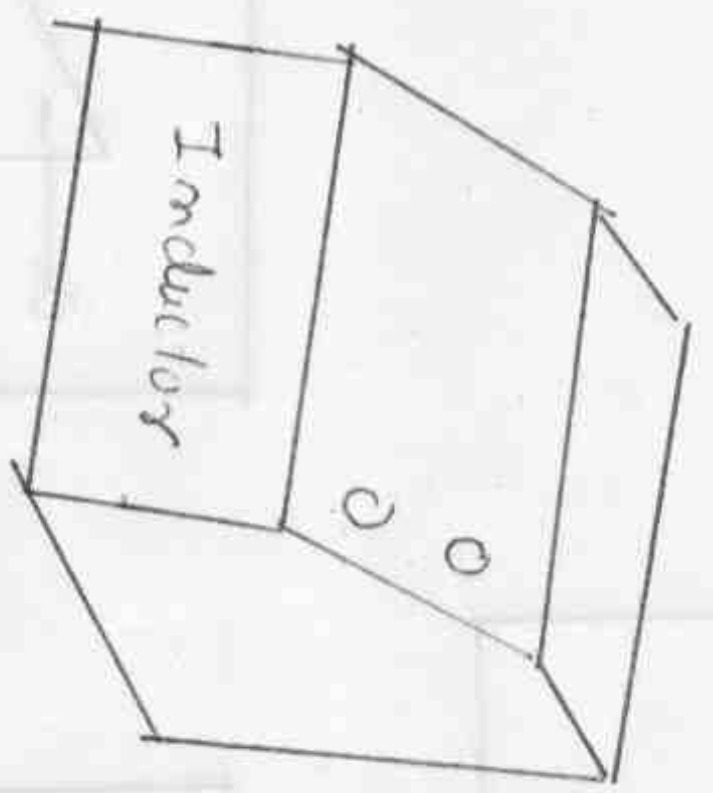
(51) 2



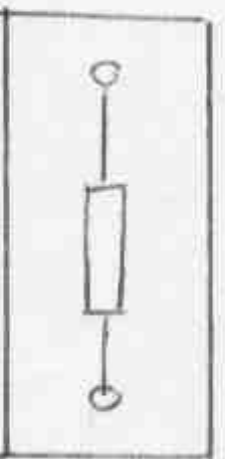
⑥ / ② Inverting + Non Inverting Amplifier

① / ②

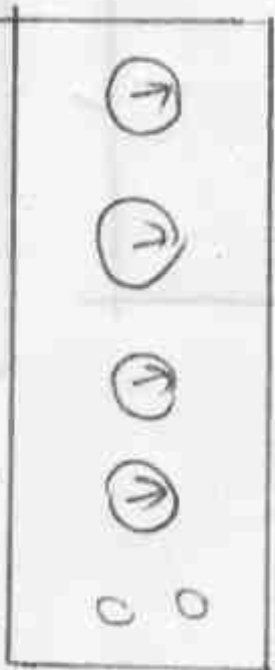
R
W
B
Blow
Green



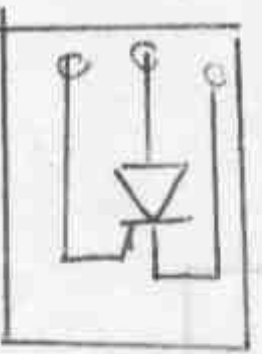
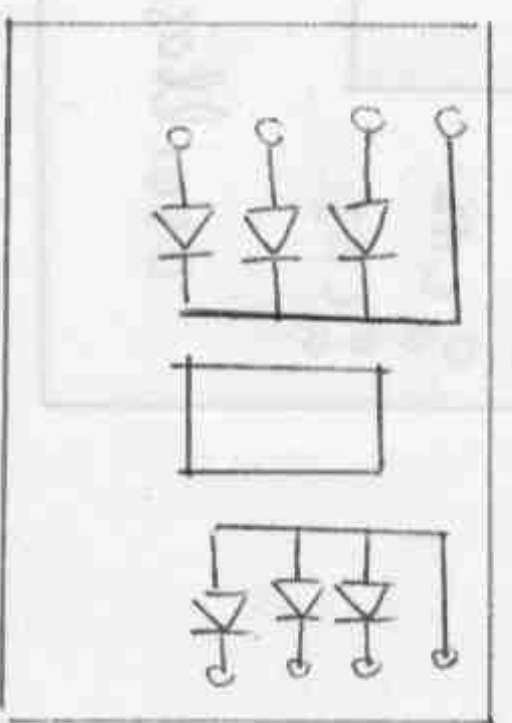
CAPACITOR



CAPACITOR



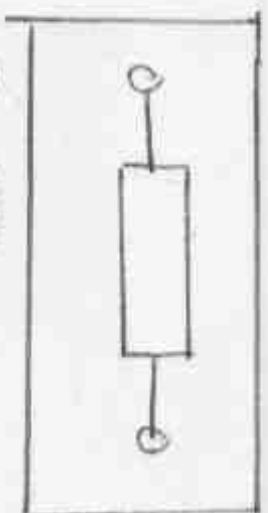
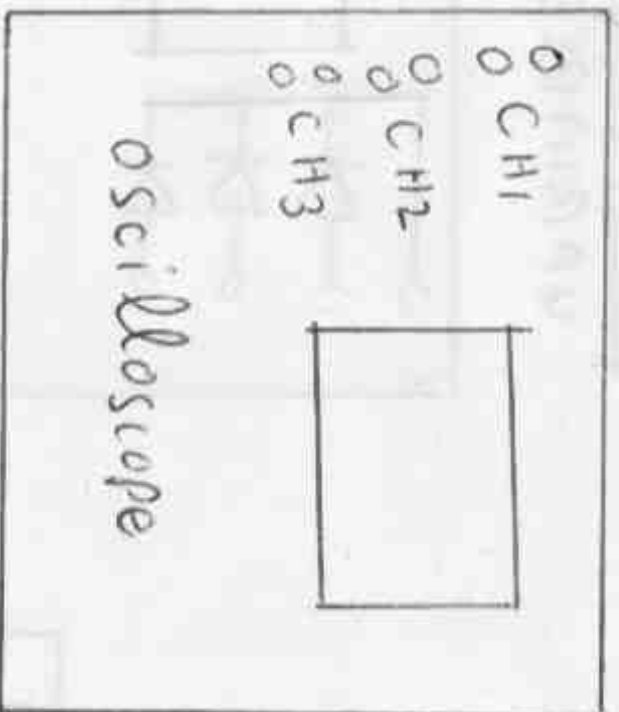
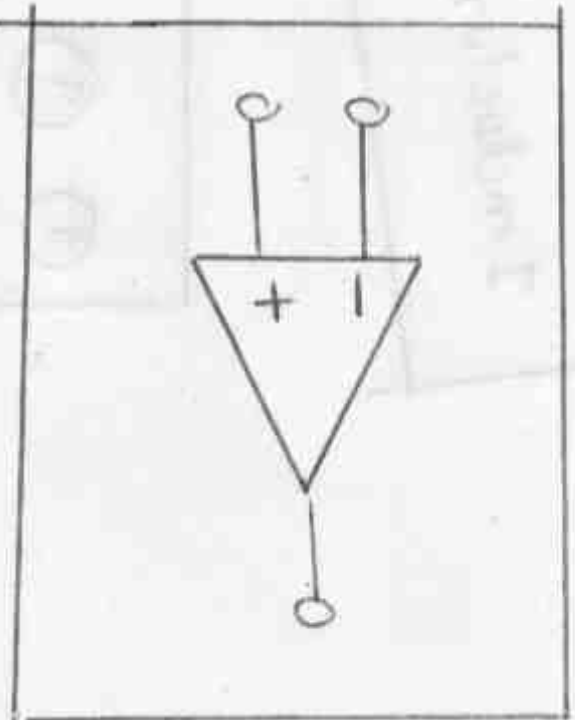
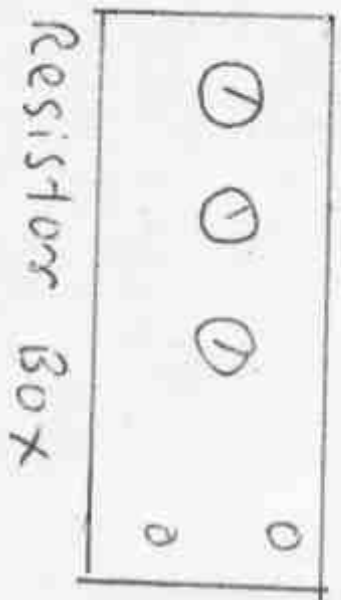
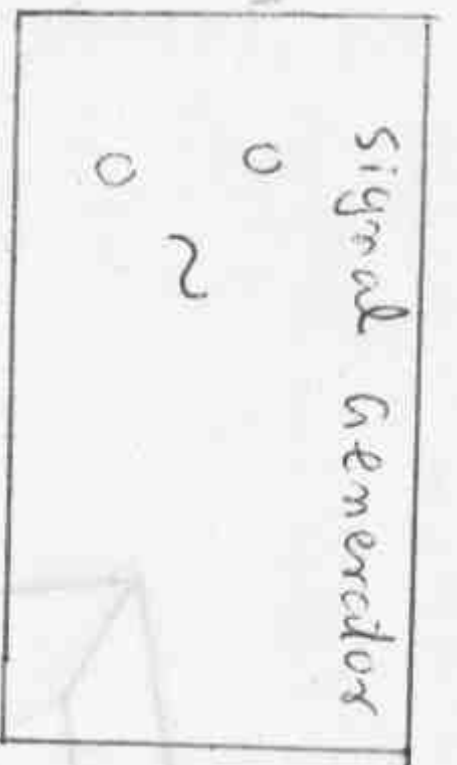
VARIABLE RESISTOR



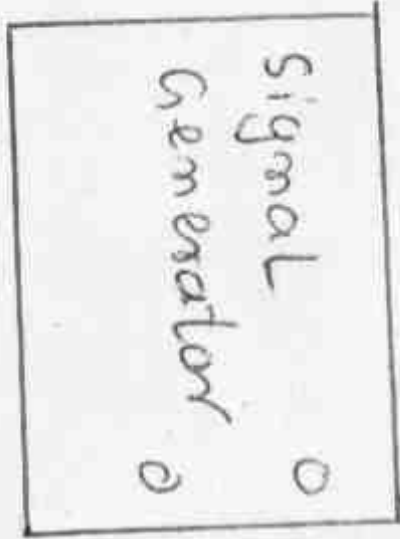
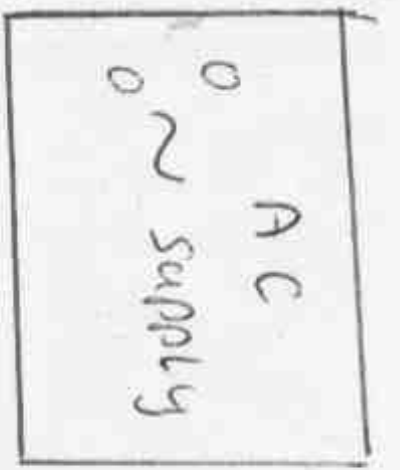
⑥ / ③ PRACTICAL H025 + H026 SCR PHASE CONTROL

सिद्धिगणना: प्रतिघण्टा

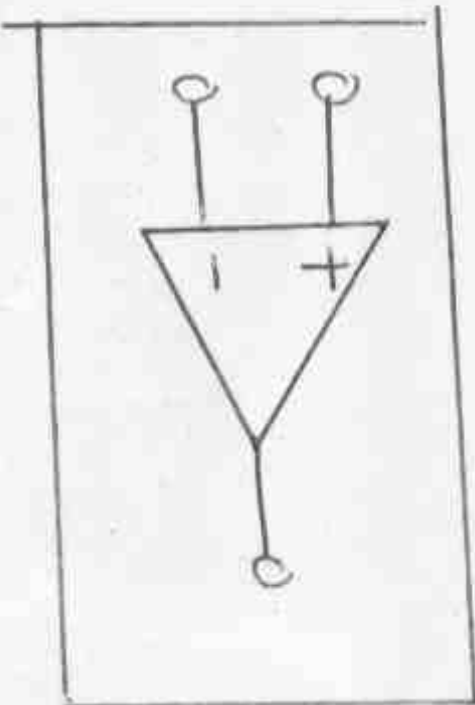
② / ③



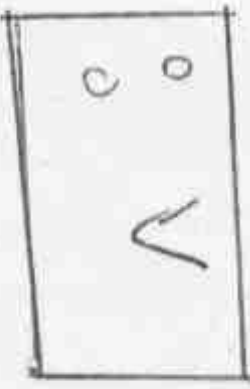
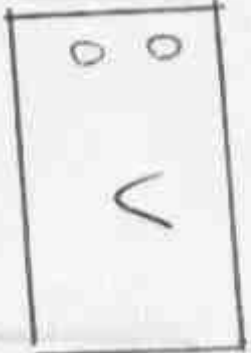
⑥ / ⑤ Inverting Amplifier



Inverting OP-Amp



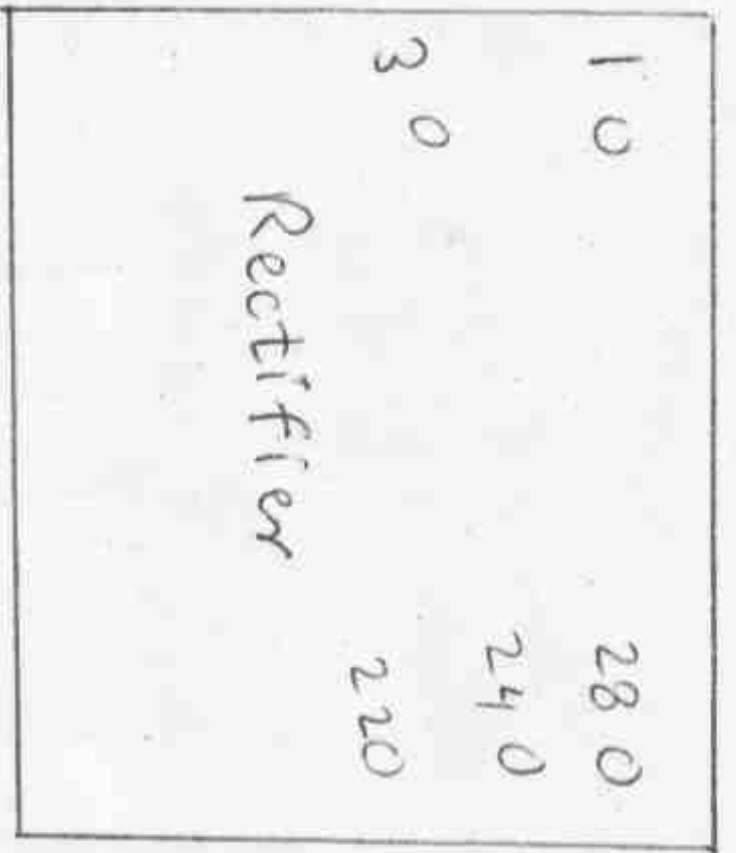
0.01	0.01	0.01
0.02	0.02	0.02
0.03	0.03	0.03
0.04	0.04	0.04
0.05	0.05	0.05



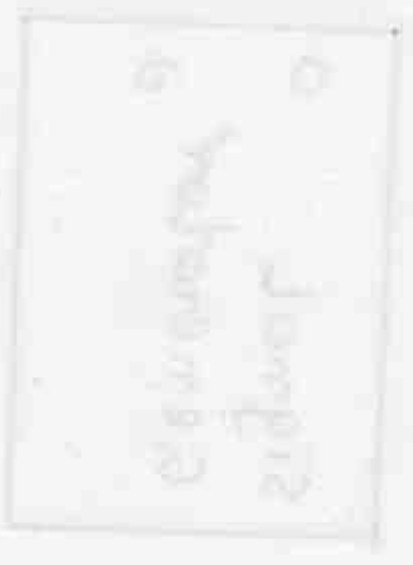
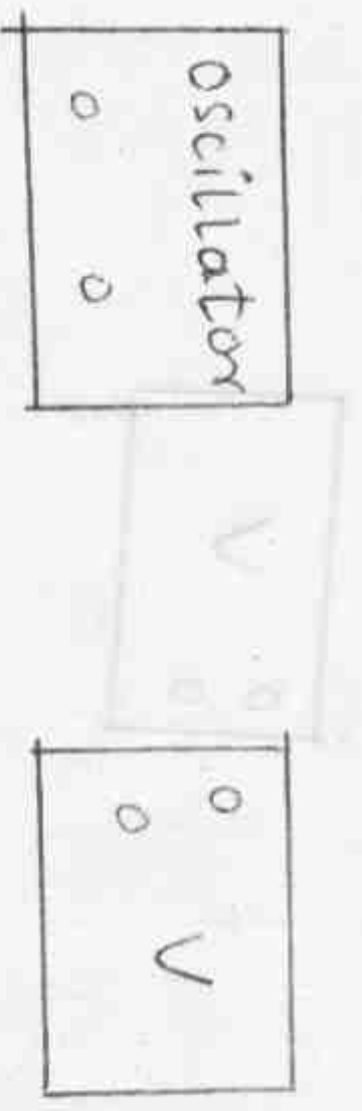
with gain 1000 and 10000

⑥ / ⑥ Practical HO25 OP-amp comparator

⑦ / ⑦

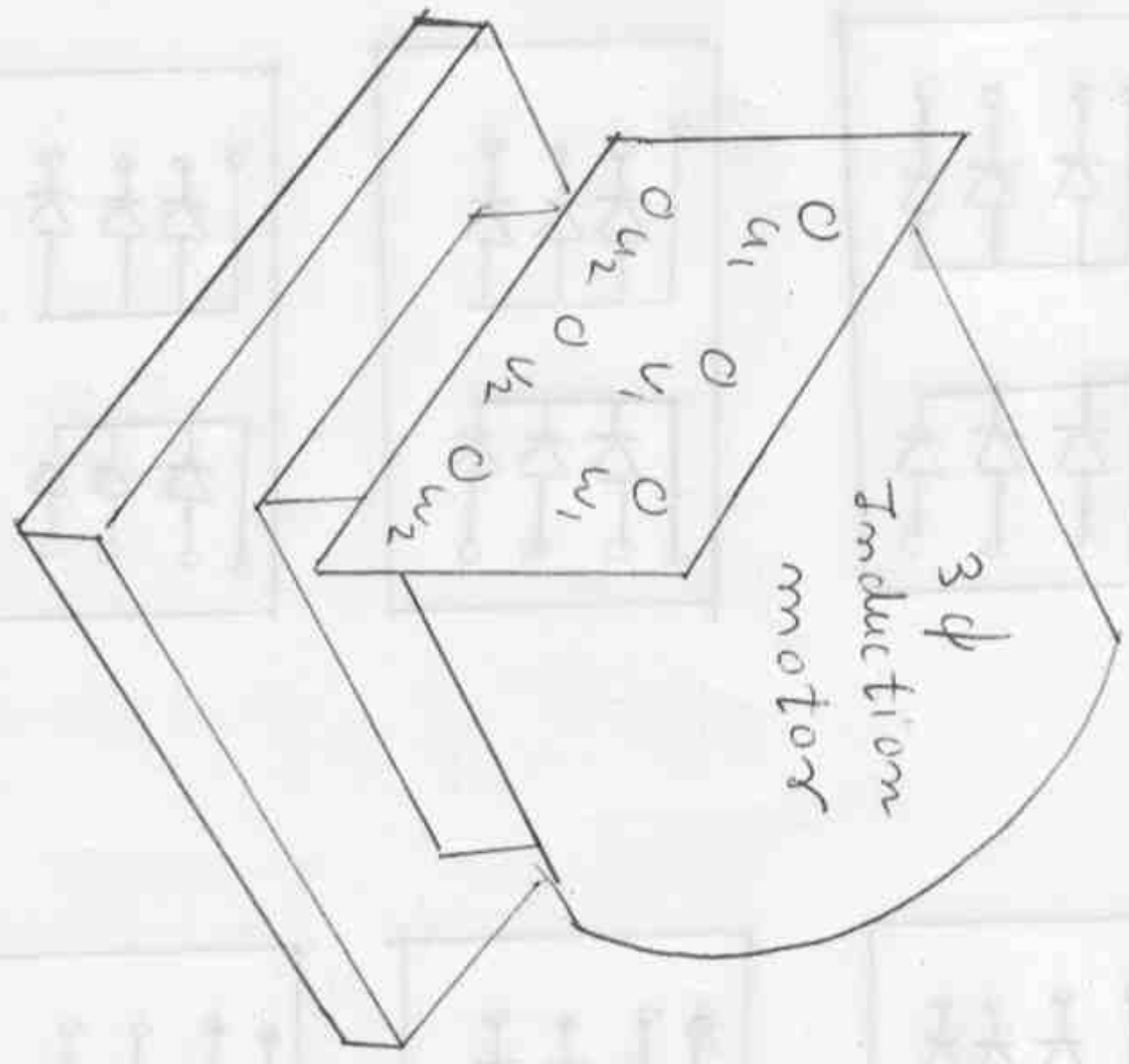
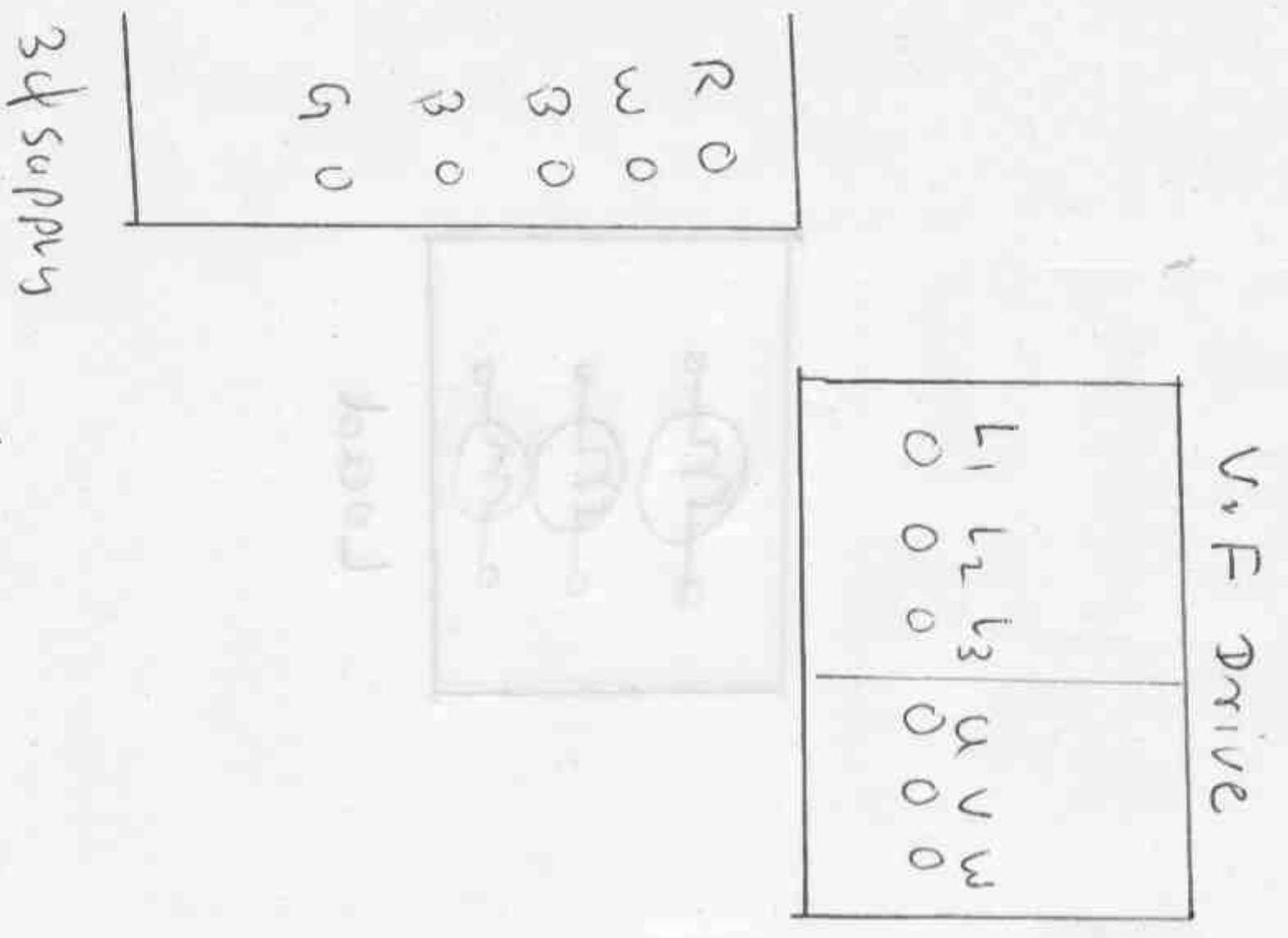


precision half-wave rectifier

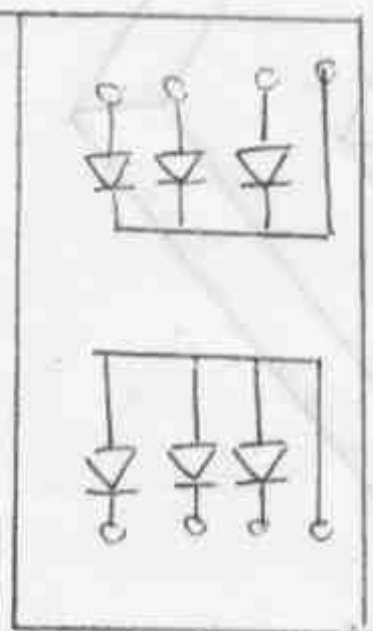
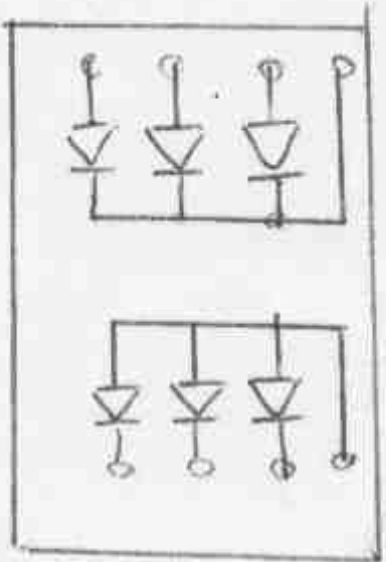
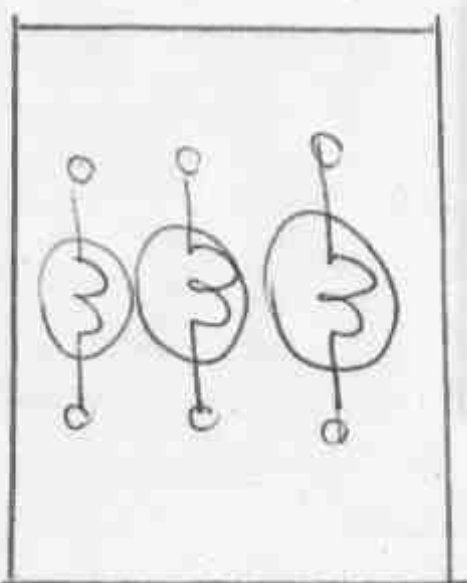
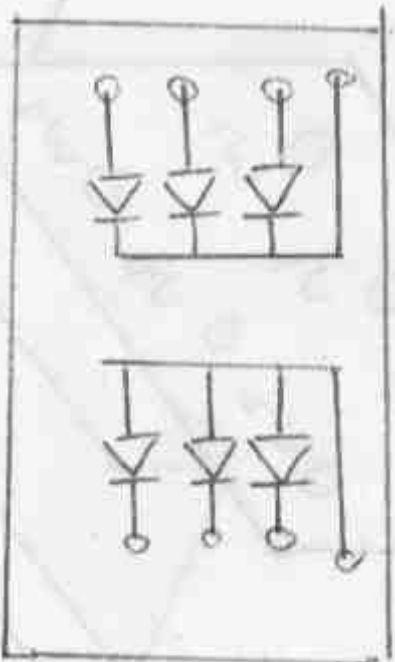
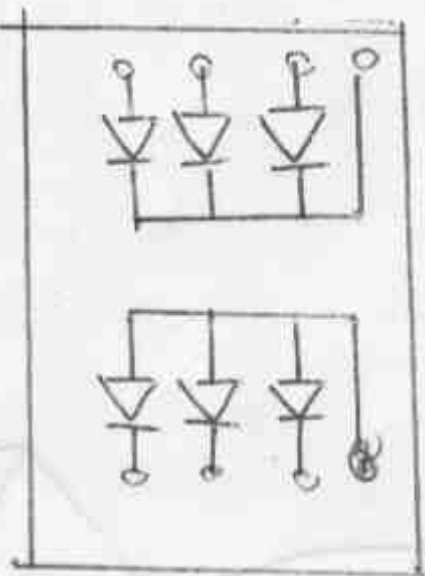
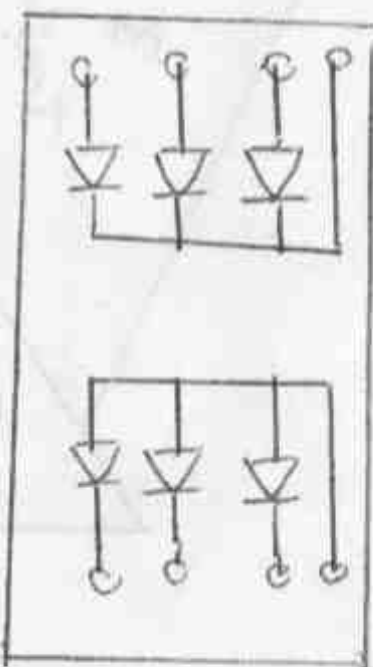
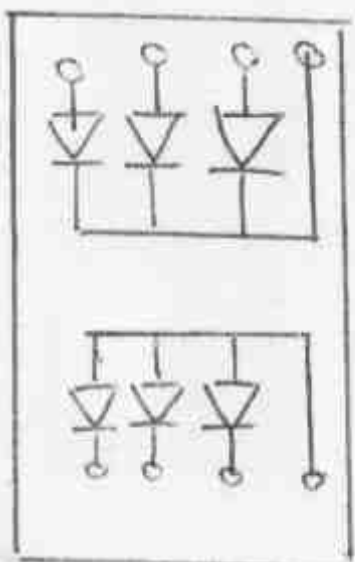
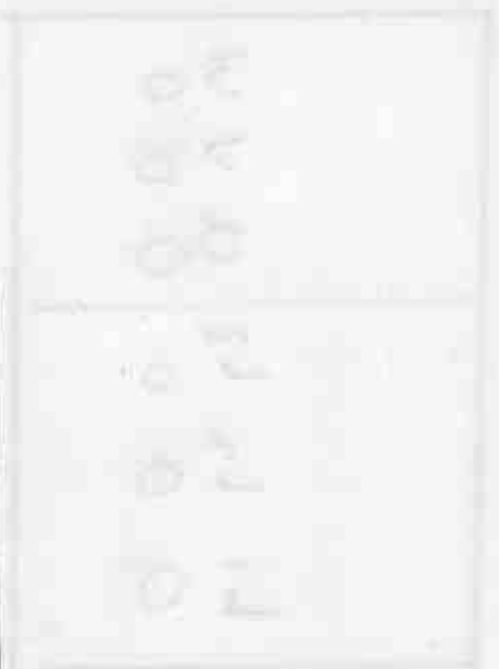
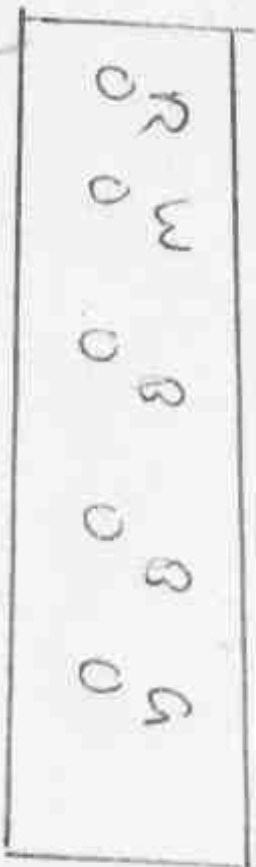


⑥ / ⑦ H1025 - Precision half wave amplifier

② / ③



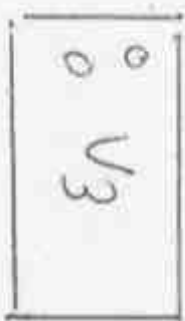
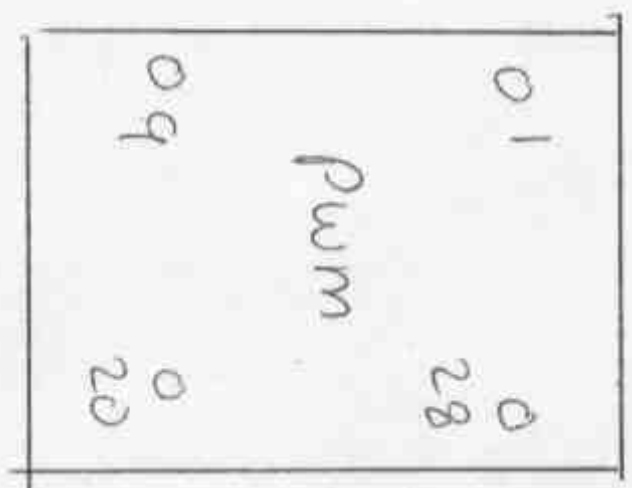
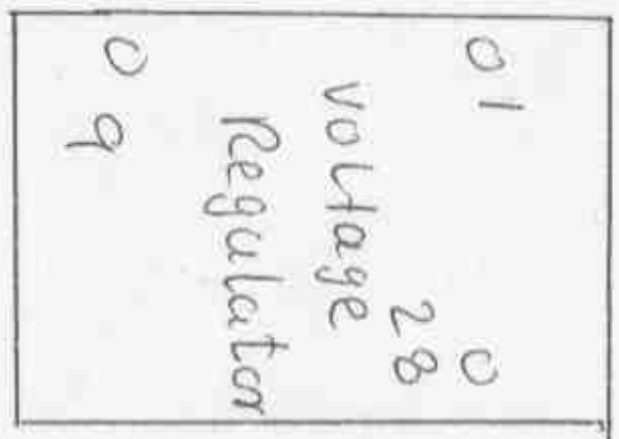
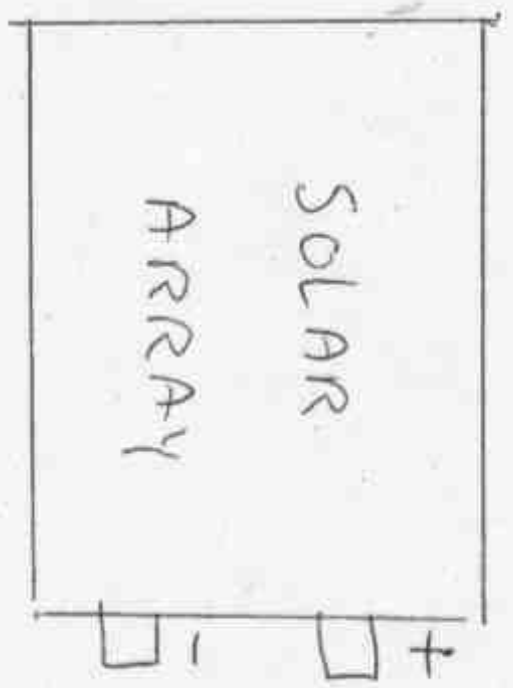
⑥ / ⑧ Practical Ho25 Variable Frequency Drive ⑨ / ⑩



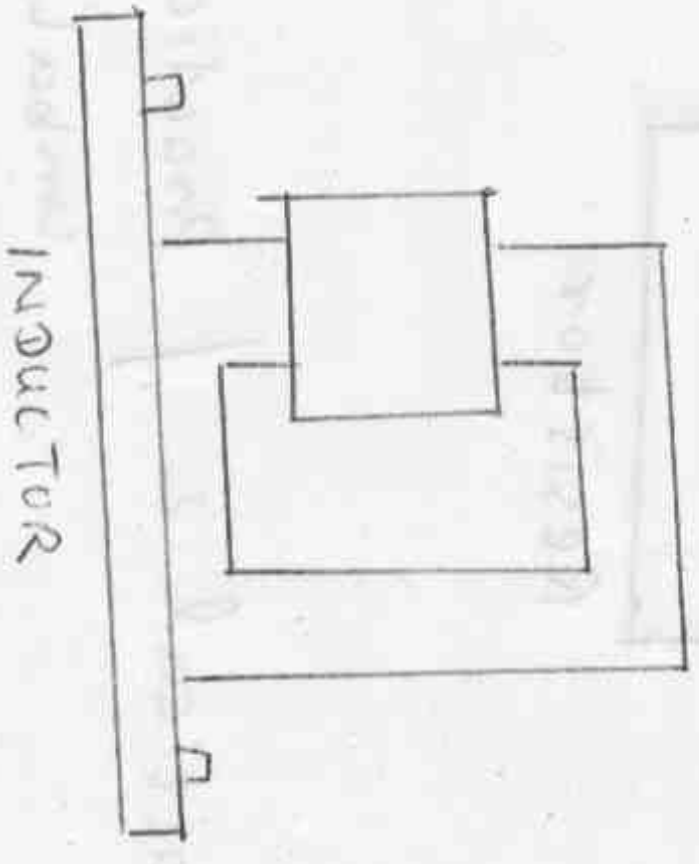
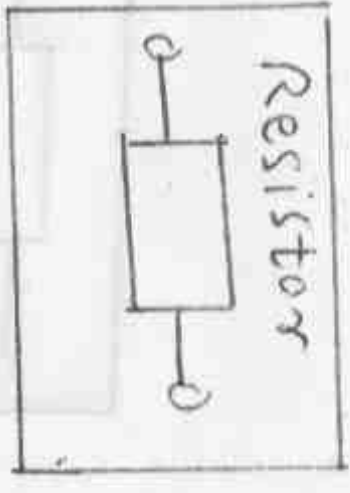
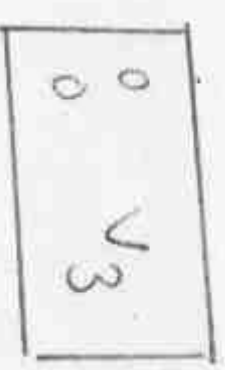
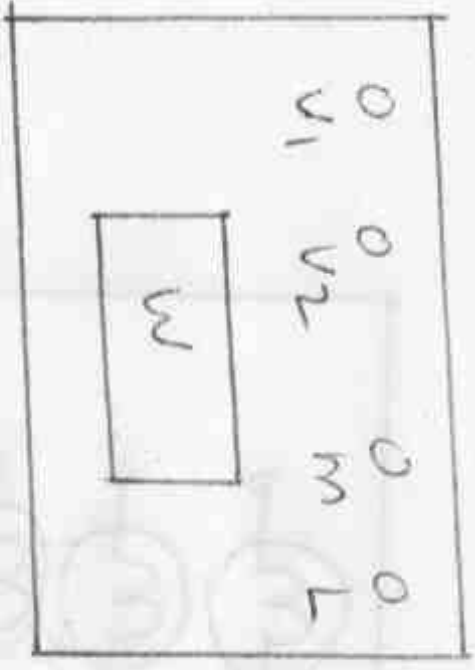
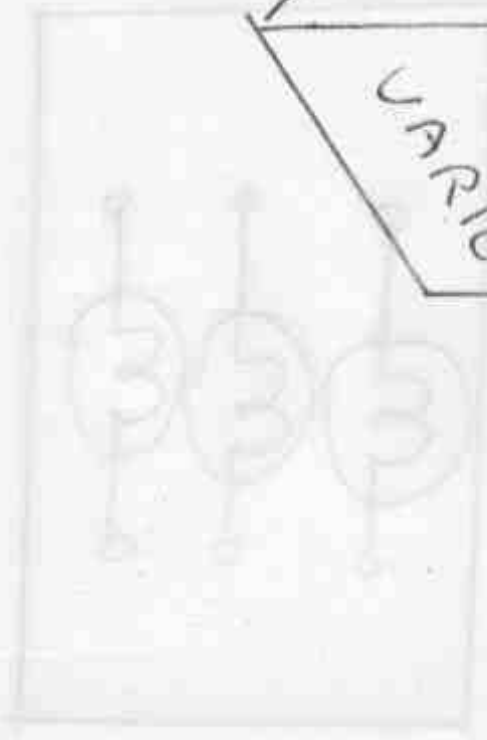
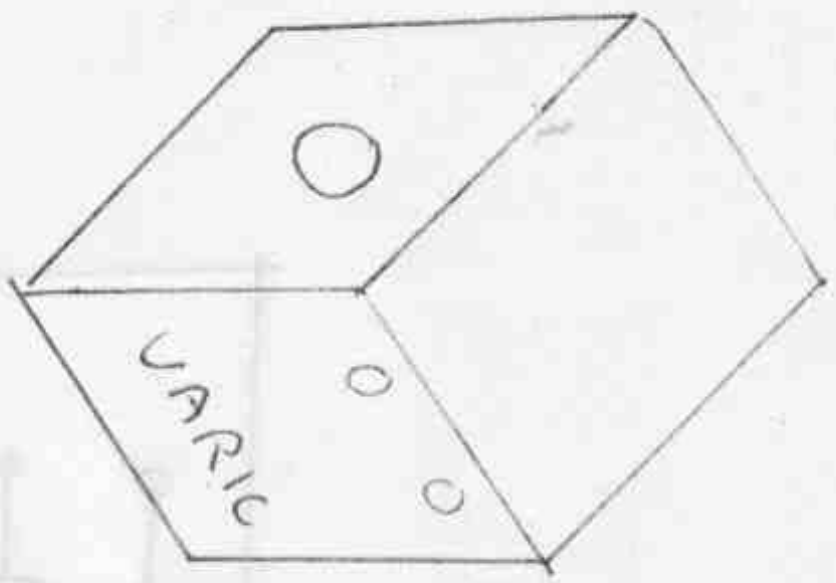
⑥ / ⑨ Practical No. 26 3φ Rectifier

⑧

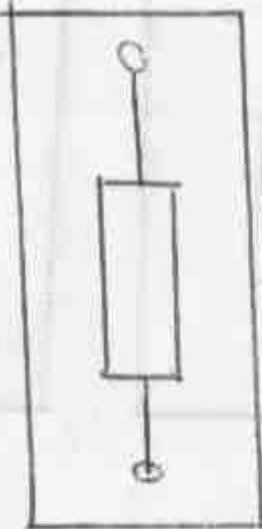
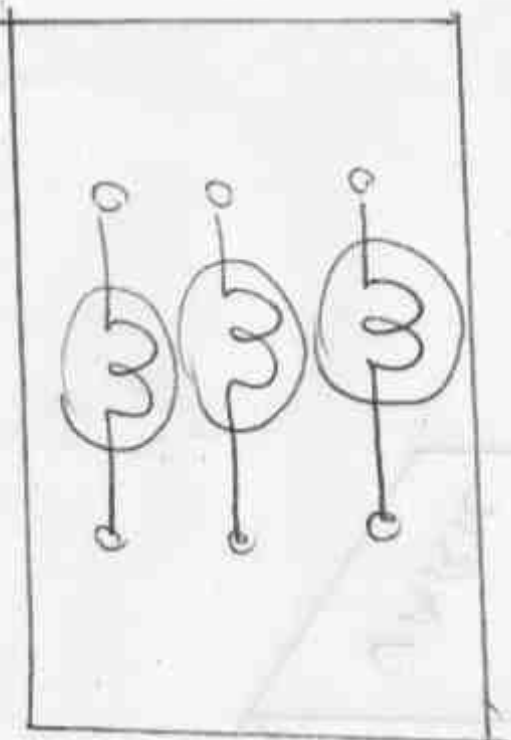
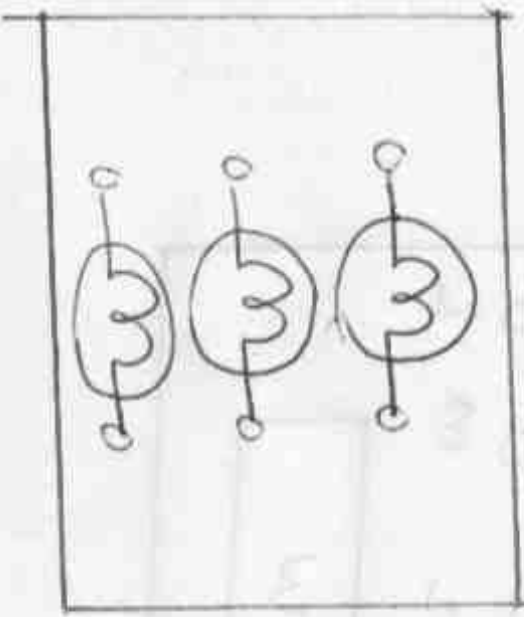
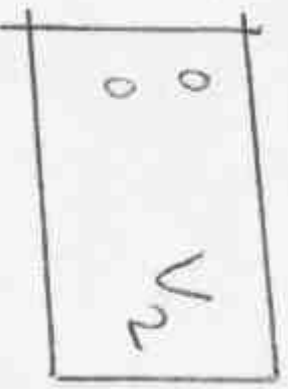
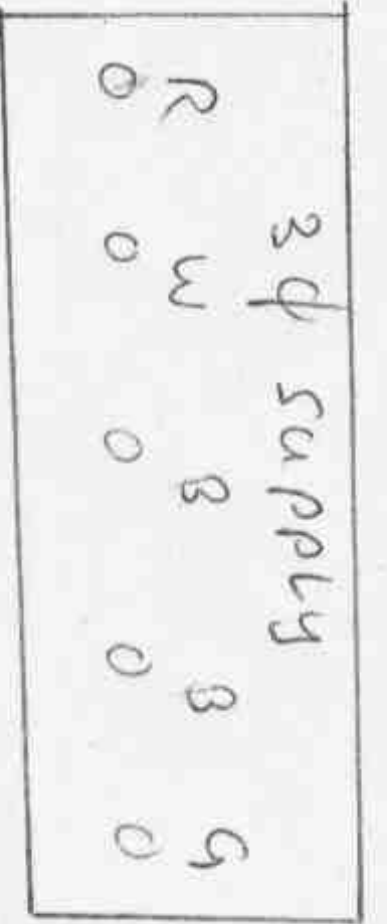
⑩



8 / P.V Electrical system



9/1 Practical 2 / practical E029 P-F measurement

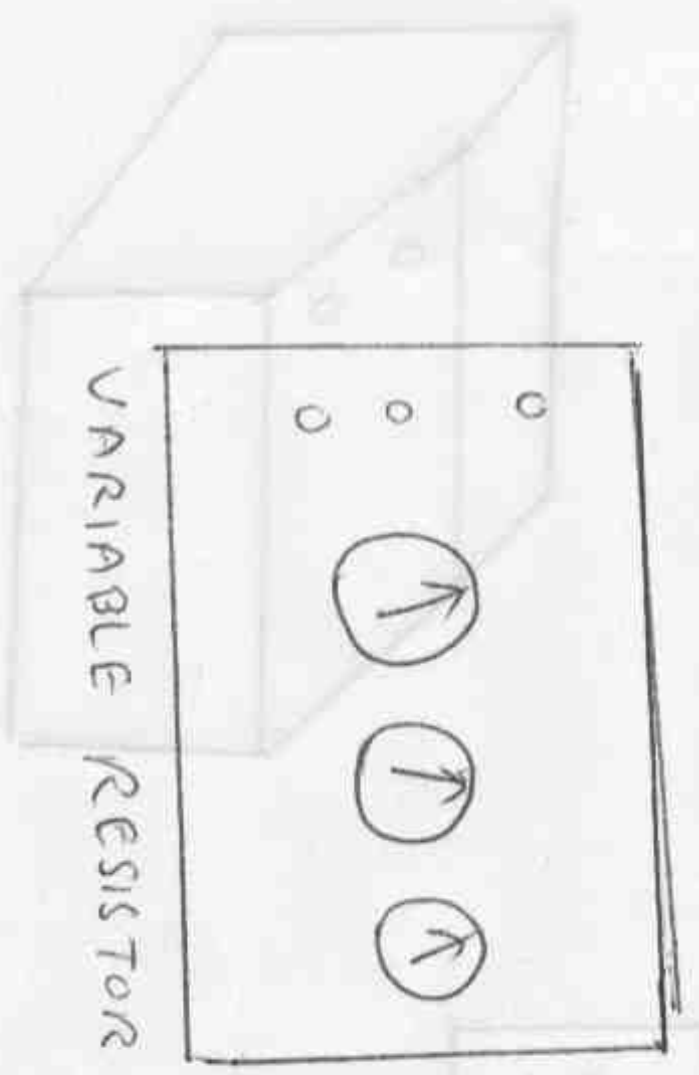
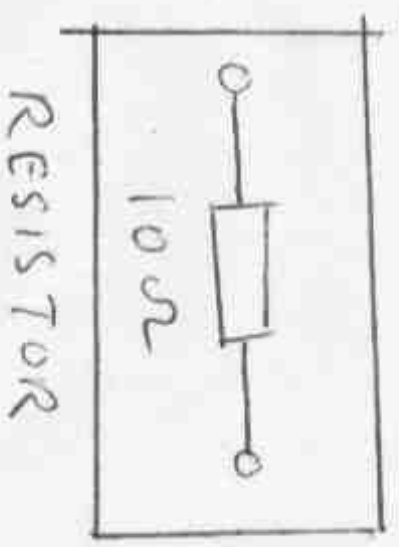
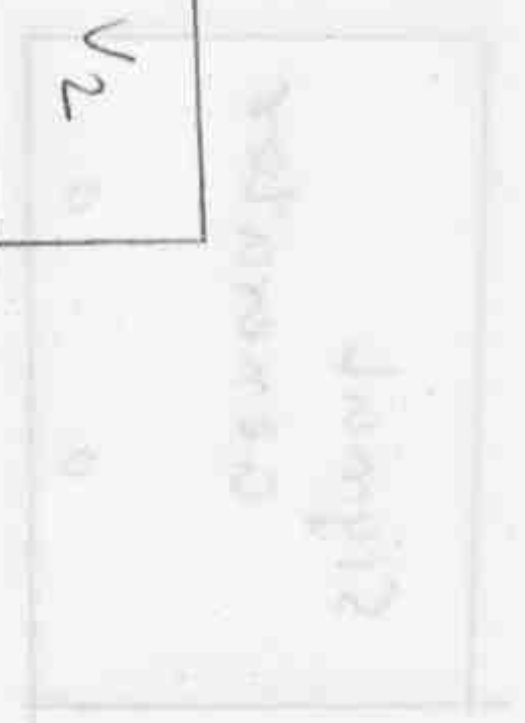
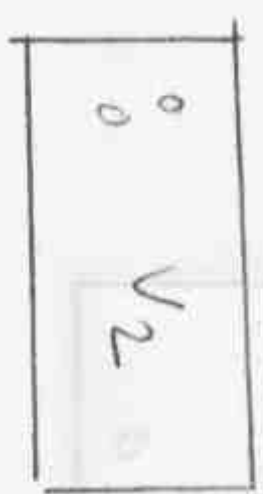
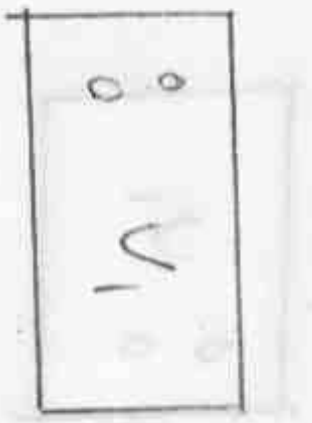
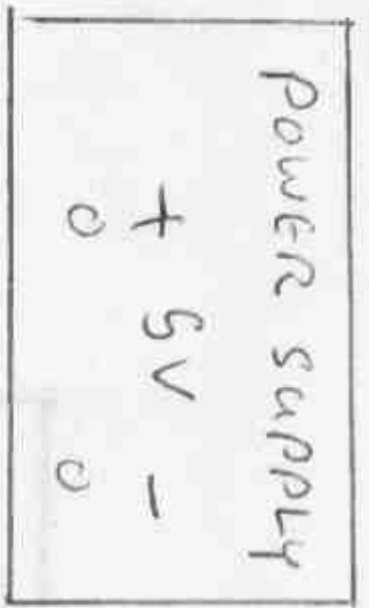


Resistor



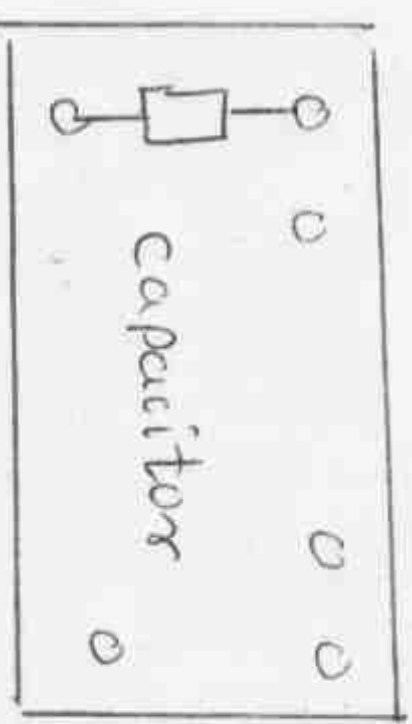
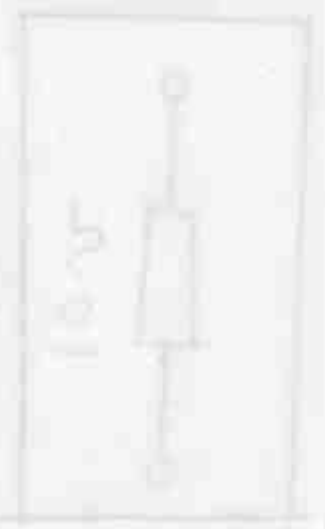
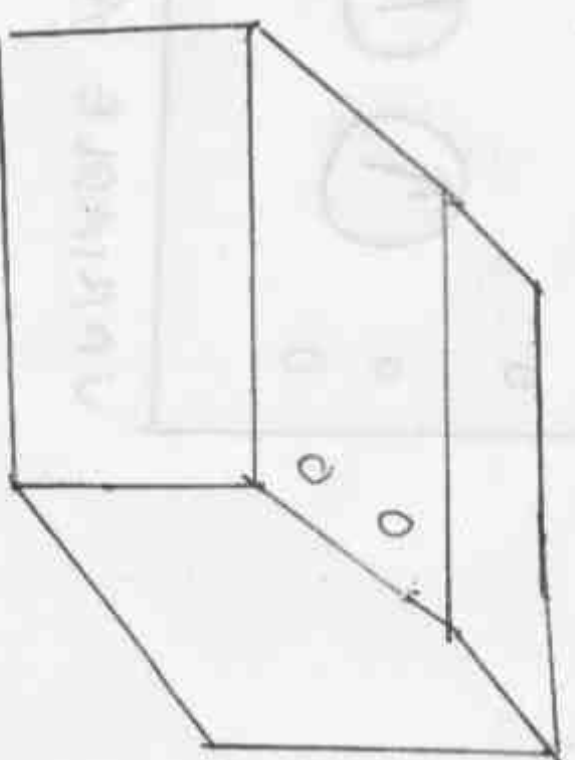
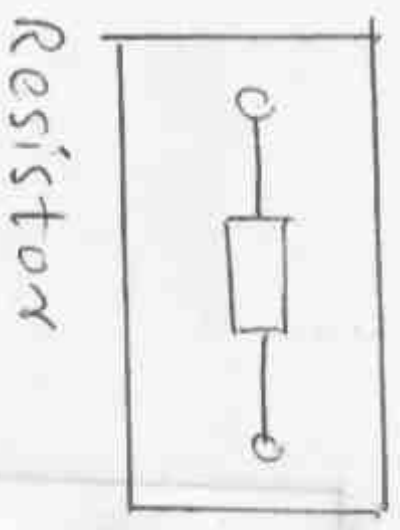
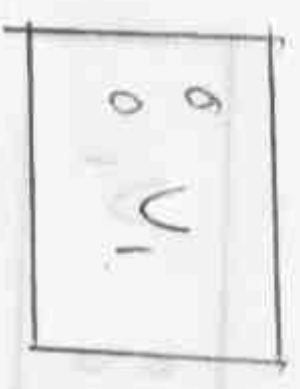
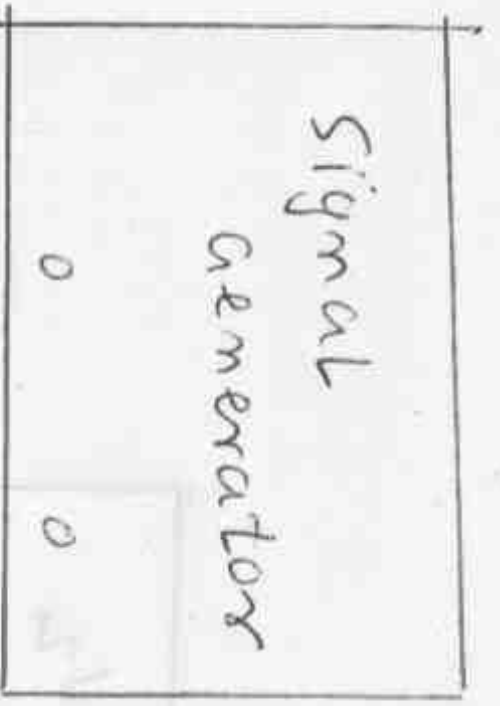
9/2 E029 Practical 2 / Practical E029 3φ balanced &

unbalanced load.

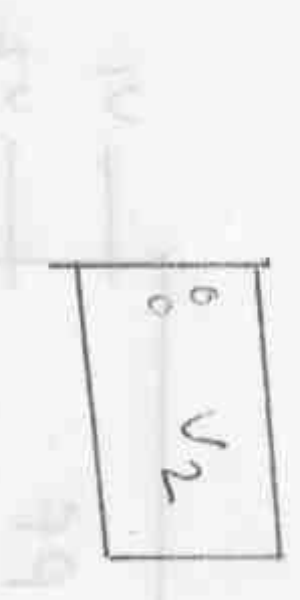
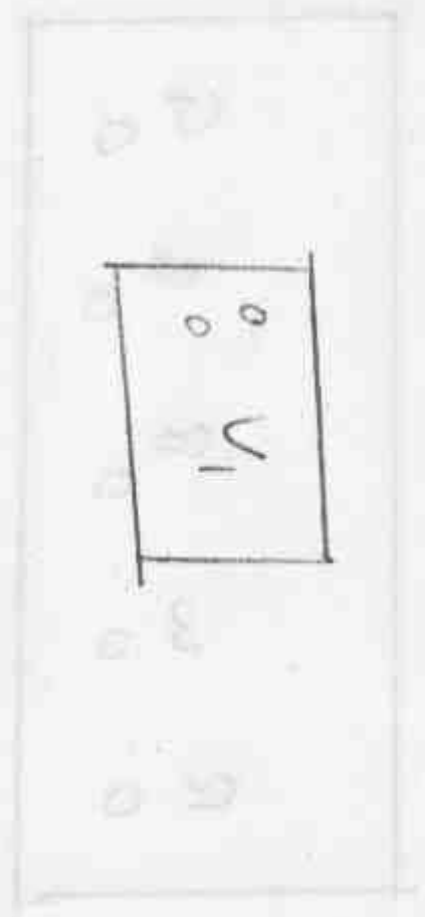
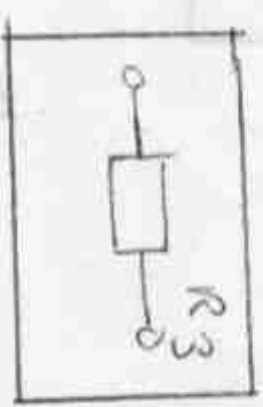
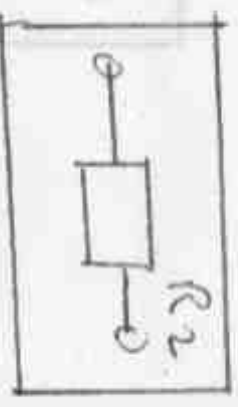
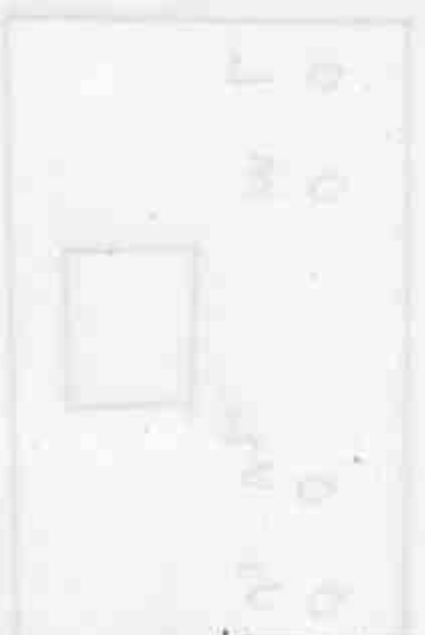
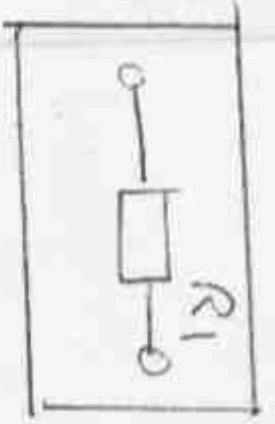
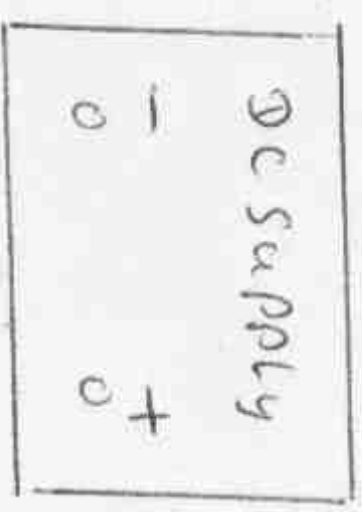
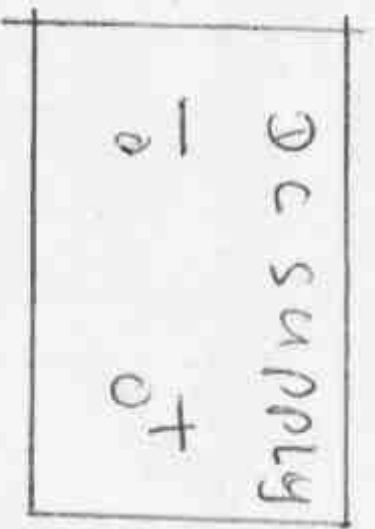


9/3 E029 Practical 2 / Practical E029 maximum power

transferring the maximum power

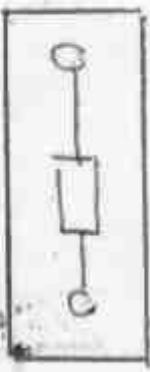
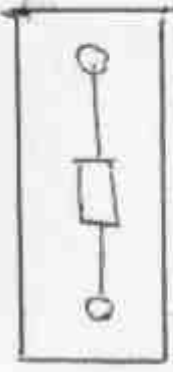
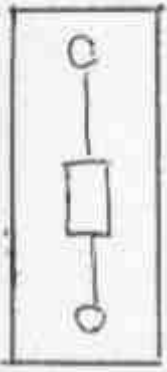
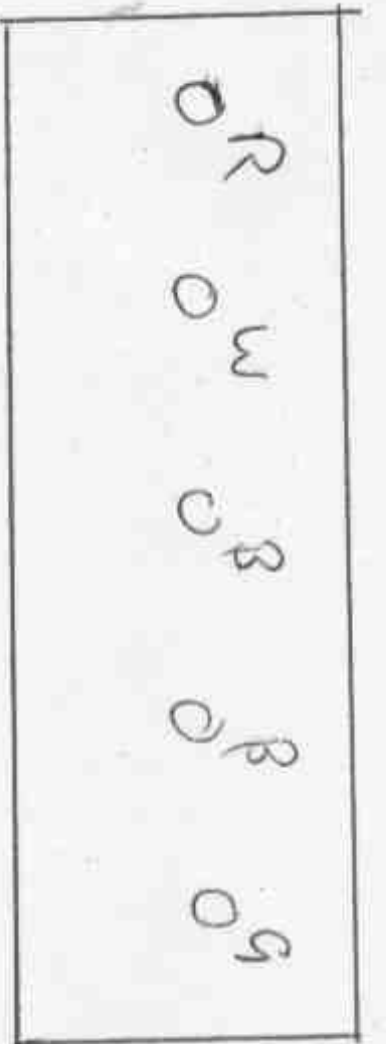


9/4 Practical 2 / Practical E029 Series RLC circuit

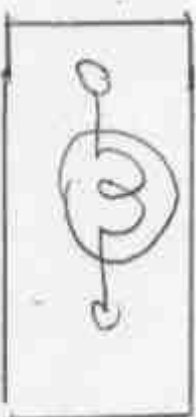
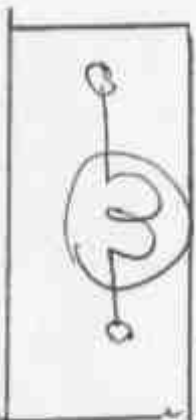
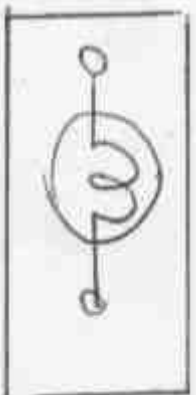
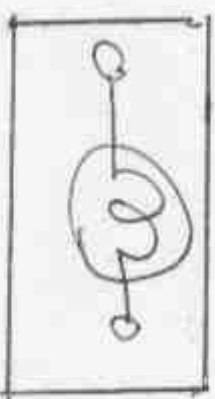
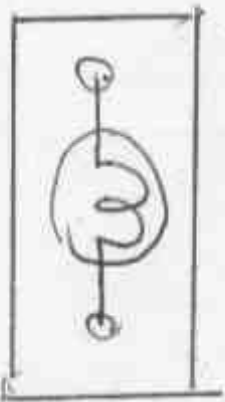
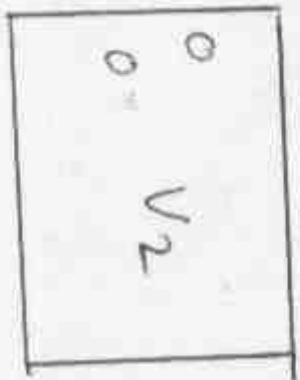


9 | 5 E029 Practical 2 / Practical E029 Super position theorem

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Resistor



Lamp Load

Q/P Practical 6002 + 6049 Star & Delta Load