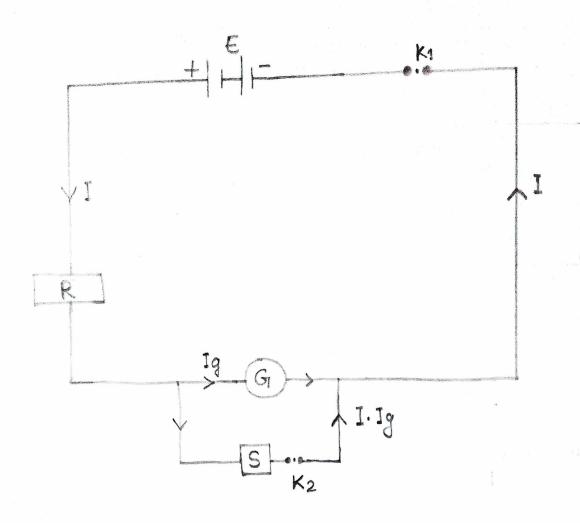
Index

S. No.	Name of the Experiment	Page No.		Date of Submission	Remarks
1.	To determine resistance	01			
1	of a galuanometer by				
	of a gahranometer by half deflection method.				
2.	To determine seesistance				
	per unit length of a			1	
	given wire by platting				
	a generath of potential cuttered.				
	différence vs current.				
	T	-			
3.	To find resistance of a	-	-		
	given uive using meter bridge & hence dortemin		<u> </u>		
	bridge à hence dortement	e			
	the specific sussistance				
	of its material.				
4.	To weather the lower of				
	To verify the law of combination (sevies & Ile)	$\sqrt{}$			
	of you's tance. Using a				
	of resistance using a meter bridge.				
5.	To determine angle of				
	min m deviation for a		·		
	genen prism by plater	1			
	a graph blu angle of	J			
	i & angle of min devication	m .			1
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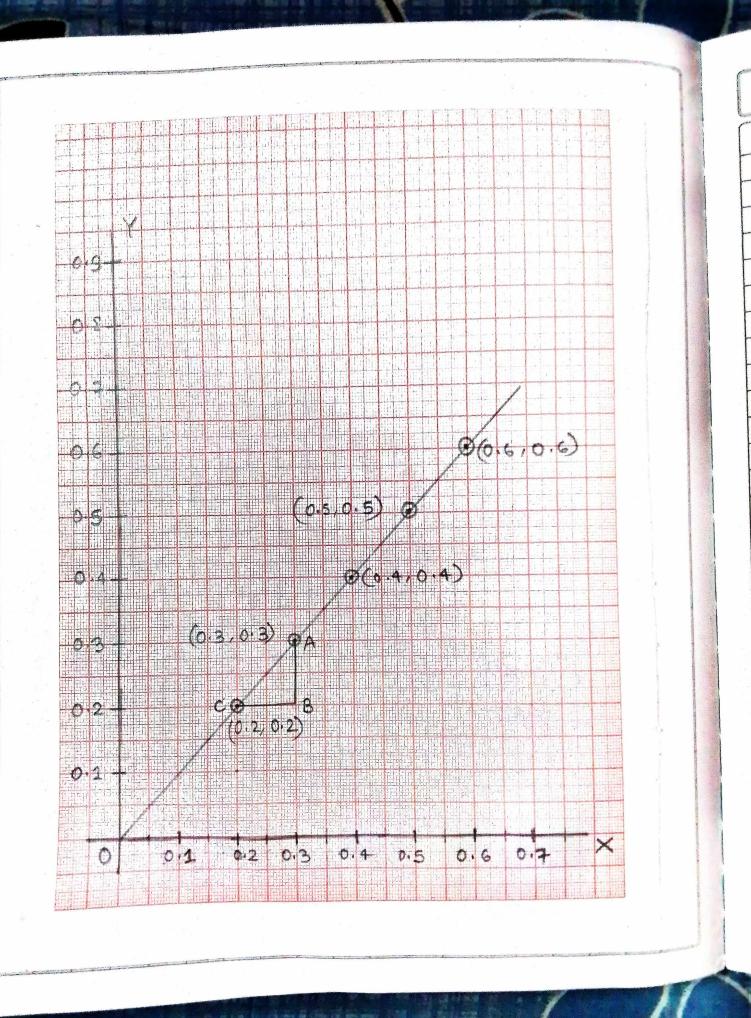
Name of the Experiment	Page No.	Date of Experiment	Submission	Remarks
Repositive index of glass				
slab using microscope.	the same of the sa		and the second s	The state of the s
V-I characteristics curve				
of p-n-junction in				
formand bias.				
		_		
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misnos for a different				
		<u> </u>		
lens by using value of				
^				
lens using convier lens.				
A 11 11				4.0
Activity - 1.			-	
Achuty - 2.		+ -		
honury -3.		J	processor de la constitución de la	
Muny -4.) ·	Control of the second s
ACT Wty - 5.	<u> </u>	+		
	-		and the second s	and the second s
	Repactive index of glass slab using microscope. V-I characteristics curve of p-n-junction in forward bias: V-I characteristiais curve of p-n junction in reverse bias: characteristics curve of zener diode: focal length of concare inorror for a different value of focal u: focal length of convex lens by using value of convex lens u: focal length of concare	Name of the Experiment Repactive index of glass slab using microscope. V-I characteristics curve of p-n-junction in forward bias. V-I characteristicis curve of p-n junction in reverse bias. characteristics curve of zener diode. focal length of concare mirror for a different value of focal u. focal length of convex lens by using value of convex lens u. focal length of concare lens using convex lens. Activity -1. Activity -2. Activity -3. Activity -3.	Name of the Experiment Refractive index of glass Alab using microscope. V-I characteristics curve of p-n-junction in forward bias. V-I characteristais curve of p-n junction in reverse bias. characteristics curve of zener diode. focal length of comcare mirror for a different value of focal u focal length of convex lens by using value of convex lens u. focal length of comcare lens using convertens. Activity - 1. Activity - 2. Activity - 3. Activity - 3.	Name of the Experiment No. Experiment Submission Refractive index of glass Alab using microscope. V-I characteristics curve of p-n-junction in forward bias. V-I characteristics curve of p-n junction in reverse bias. characteristics curve of zeners diode. focal length of concare mirror for a different value of focal u focal length of convex lens by using value of convex lens u. focal length of concare lens using convex lens. Activity - 1. Activity - 2. Activity - 3. Activity - 4.

		Date
xpt. No01	EXPERÎMENT-01	Page No. 01
Aim :	To determine resistance of by half deflection.	galvanometer
Apparatus voltme 2000	:- A westown type galverten battern, ensistem (n) keys, erhoostat, a ten, wire, sand paper	anometer, a ce box (10000 r. & meter scale,
Theory:	The resistance of the meter is given by	e. given galuano-
	G = R X S R-S	
where	R = Resistance in Seri S = Shunt Resistance	ies.
	Teacher'	s Signature

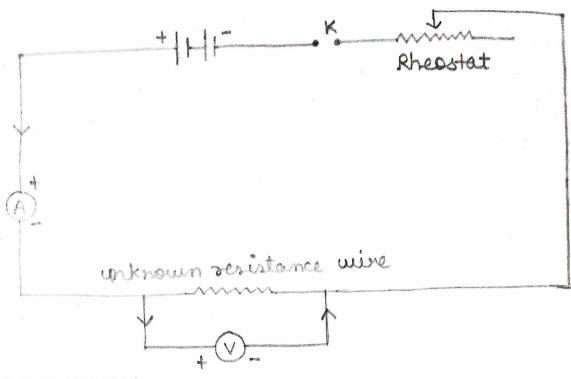


S.No.	Resistance	Deflection in Gi	shunt resistor(s)	deflection	$G = \frac{R \times S}{R - S}$
	7000	22	47	11	47.2 12
2.	6000	26	47	13	47.20
	9000	18	43	9	47.2.0
4.	1000	16	47	8	47.2 1

	Date
Expt.	. No Page No
	Result :- Resistance of the given galvenometer.
	Parecautions:
1.	All connection should be neat, clean and tight.
	All types of plugs in resistance boxes meest be tight.
	Sources of everon:
1· 2.	The screw of the instrument may be loose. The plugs of the resistance boxes may be not clean.
+	
+	
+	
-	
The second state of the se	Teacher's Signature



		Date
xpt. No02	EXPERIMENT - 2	Page No
Aim :- T of a gi potentia	o determine resistance ven wire by plotting a L différence vs curren	per unit length graph of
Apparatus (0.3V) ranges	:- A resistance usine and on ammeter (D.3 a battery, rheustat, mecting usine and a sand paper.	, a voltmeter A) of approciate meter scale, piece of
	According to Ohm's VXI V = IR	
	V = R I	
where	V = Potential differen R = Resistance. I = Current.	co.
'R' depen	and dimension.	sial., temperatu
	Teacher's Sign	nature



OBSERVATION

1. length of viere = 36.5 cm

2. Range of ammeter = 0.3 A

3. Range of voltoneter =

least count = 0.05A zero evror = nil ii)

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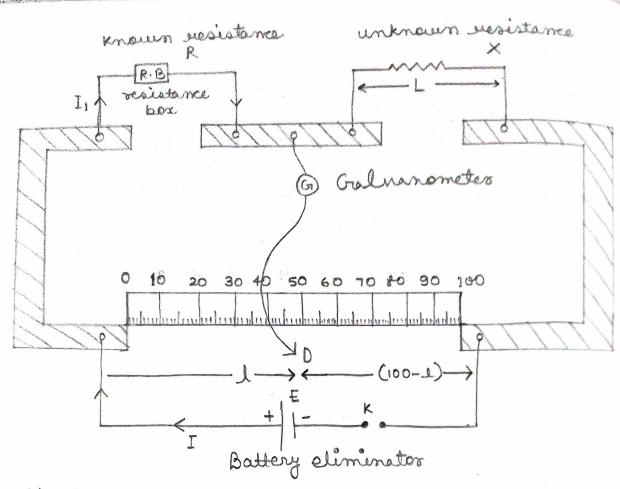
ü

ij

3.NO.	Volumeter	Ammeter	$\frac{I}{\Lambda} = k \nabla$
1.	0.3 V	0.35A	0.9 T
2.	0.4 V	0.40 A	12
3.	0.5 V	0.55A	0.91
4.	0.74	0.70 A	12

	Date
Exp	t. No.
	Results
(i)	Resistance per con of the wire is 2.603 × 10-20.
ii)	The graph between V&I is a straight line.
	Pourautions:
(i)	The connection should be neat, clean and tight.
, , (ii)	Voltmeter and Ammeter should be of proper rang.
	Teacher's Signature

		Date
Expt. No	EXPERIMENT - 3	Page No. 05
		LIVE HAINS
Aim - lo	find resistance of a	umine the
specific	find resistance of a idge and hence deter resistance of its ma	terial.
Apparatus	:- A meter bridge, nce jockey, resistan meter scale, conne	Battery (G),
yesi lla	meter scale, conne	cting usires.
Theory :-	formula used Inknown resistence	lv l ' a' a lu
(1)	inknown resistence	X Ji given by
	$X = J \times R$	
ر نن	Specific resistance is	given by
	$P = X \pi \Delta^2$	
	4L	
	Teacher's Si	gnature



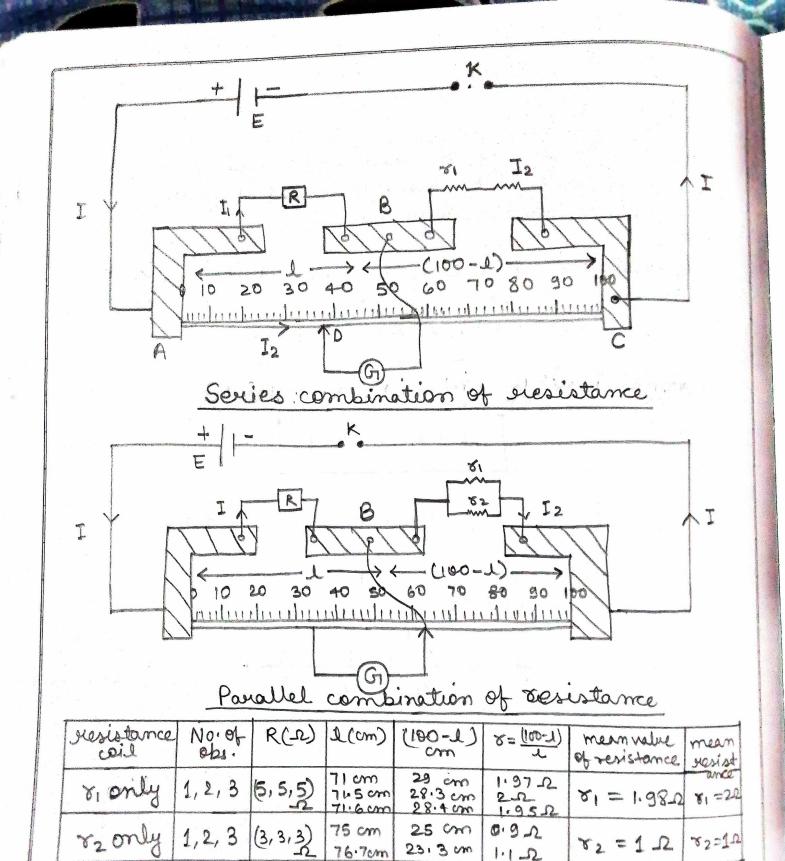
نن

OBSERVATION

- i) length of vieres = 300 m
- ii) diameter of wires = 0.025 cm

S. No.	Resistance	l(cm)	(100-1) cm	x= 100-1 × R
1.	22	37.4cm	62.6cm	4.27-12
2.	5-2	53.7cm	46.3 cm	4.31-2
3.	10-12	68.6cm	31.4 cm	4.572

		Date
Expt. No. <u>04</u>	_ EXPERIMENT - 4	Page No 0 7
		and the same similar to the same state of the sa
Aim :- To n and paralle	erify the law of co L) of veristance (veter-bridge.	mbination (series using a
	A meter-bridge, bosc, jockey ses wises, sand pa	
Thomy :- (i)	unknown resistan	nce,
U	1900-l x R	
(ii) R	$s = \sigma_1 + \sigma_2 +$	+ on
(iii)	γ1 γ2 = Rp	
	<u> </u>	1
	$\frac{1}{R\rho} - \frac{1}{\gamma_1} + \frac{1}{\gamma_2} + \frac{1}{\gamma_3}$	3 + + 3 n
	Teacher's Sig	Inature



8,+12=Rs 1,2,3 (7,7,7)

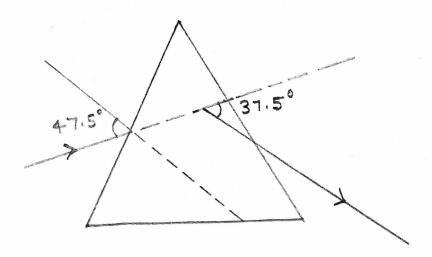
8182 = Rp 1, 2, 3

81+82

	Date
Expt.	No. Page No. 08
	Result: Mithin the limit of experiment everor, experimental and theoritical value of Rs are some hence, law of resistance in series is verified.
(1 <u>)</u>	Mithin limits of experimental environ, experimental and theoritical value of Rp over same hence, law of verified.
(i)	Percautions: All connection should be clean, neat and tight. All the plug in the resistance screw may be too tight.
(i) (ii)	Nouvice of everor: The instrument screw may be loose. The plugs may not be clean.
	Teacher's Signature

		Date
Expt. No. <u>05</u>	EXPERIMENT - 5	Page No. 09
Aim : To a	letermine angle of	minimum
deviation	for a given prism trucen angle of in minimum deviati	by platting
a graph be	trucen angle of in	ncidence and
angle of	mi nimum deviati	6r :
21 bbonging :	Drue Bound,	White sheet of
paper,	prism, drawing	pasa, pence,
merel scar	Prism, drawing e, Office pins, gro	iph paper.
Theory '~	The Retractive inde	n. (H) of a
mat	The Refractive inde	
	-	
	$= \sin\left(\frac{A + \delta m}{2}\right)$	
	sin (4/2)	
where.	Anala et minimum	deniation.
A =	Angle of Prison.	
	Teacher's Sign	nture

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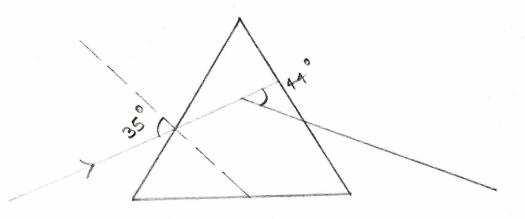
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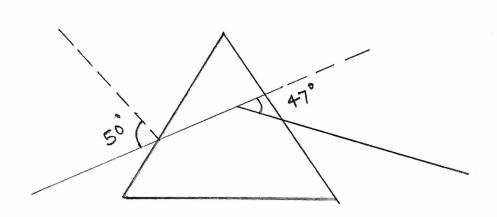
û

SINO	Angle of incidence	Angle of deniation
1.	35°	44°
2.	40°	37°
3.	45°	38°
4.	47.5°	37.5° — óm
5.	50'	38°
6.	55°	40°

	Date make the second se
	No. Page No. 10
and the second second	
part of the later state of the later to the	
	Results:
4)	s-d graph that is angle of modernice
	incuease, angle of demartion (sm)
	i-d graph that is angle of incidence increase, angle of deviation (1) first decrease, attain a minimum value (8m) & them start increase.
1	
(11)	Angle of minimum deviation = 37.5°.
111/	strate of a distribution of the state of the
ûii	Refraction index of Prism (u) = 1.567
4.7	
	Precautions:
(i)	Angle of incident lies between 35-60.
رنن	Angle of incident lies between 35°-60°. The same angle of prism should be used for all observed. Source of errors:
	used for all Observed.
	Source of error -
(1)	Pseism should be thick.
(ii)	1 of souls may be use one.
(1)	measurement of angle may be wrong.
-	
-	
-	
	Teacher's Signature

		Date
ot. No. <u>06</u>	EXPERIMENT-6	Page No
	determine sufractu slab using mice s:- Crlass slab cope, lycopadiu	
Theory !-	a ug = Real thich Apparant	enem of slab thickness of slab





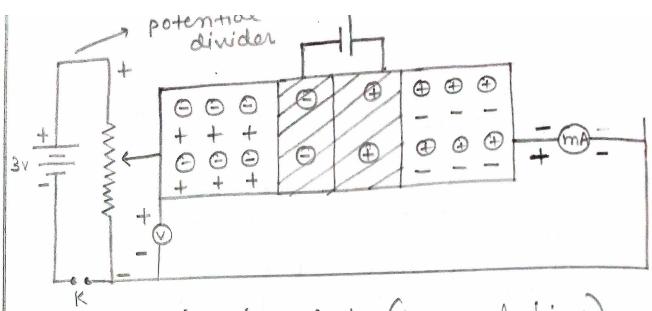
$$M = \frac{1.1 + 1.2 + 1.3}{3}$$

$$= \frac{1.5 + 1.45 + 1.52}{3}$$

$$= \frac{4.5}{3} = 1.5$$

Date
No
Result: The reation of R3-R1 is constant. R3-R2 It gives the sufraction index glass slab. The sufractive index of glass slab is 1.5 Percautions: In Microscope, the parallel should be properly removed. The microscope should be moved in upper direction only to avoid back lash.
Donner. Of envox: The microscope scale may be or may not be properly caliberated.

		Date
Expt. No. 07	EXPERIMENT-7	Page No
Aim - V-1	in forward bias.	curine of P-n
Apparatus:	- A p-n junction	diode, a 3-volt
susia tance	- A p-n junction , a 50 valt batter , scheestat (0-3)	V voltmeter,
0-100 m	A ammeter one w	ay key
connecting	uives, sand pape	ભું.
Theory :- I	the p-section of	cteriatics !-
When	the p-section of	the diode ex
connected	to (tre) terminal.	of a basery
tenminal	of battery. it is.	said to be
formand.	biased with ince	easing voltage
the form	iaud current inc	reases abuily
in the	regioning & sapide	at or ly for
This is con	Med thereshold	valtage.
1700 15 0	NAENCE II.O	J



P-n junction diade (formand bias).

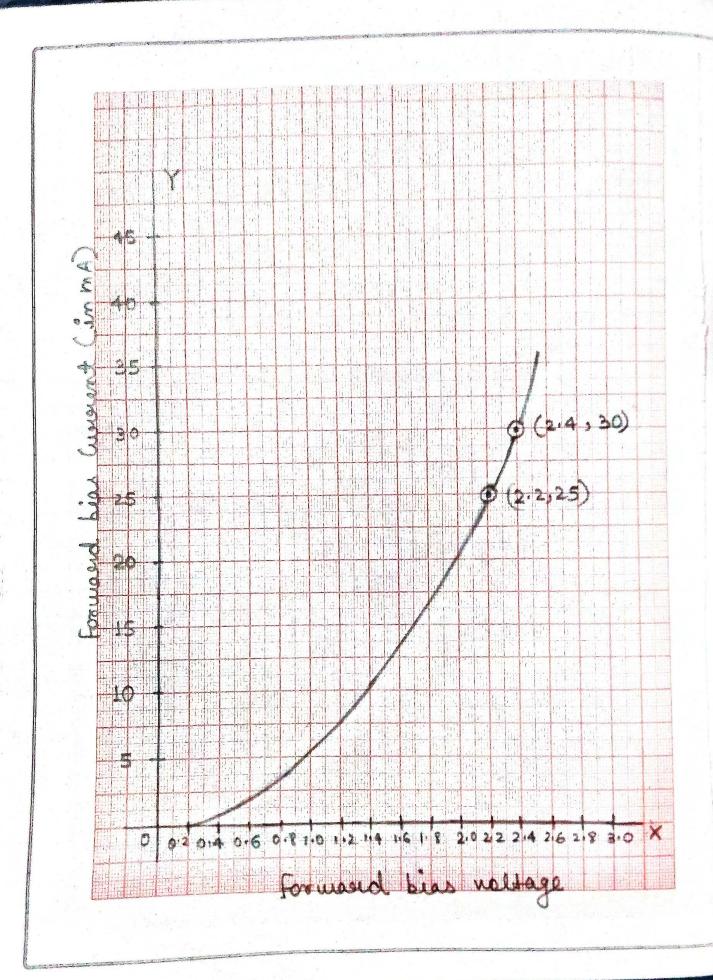
3.NO.	vollage	current
1.	0.1 V	0.5 mA
2.	1.2 V	5 m A
3.	1.6 V	10 m A
4.	1.8 V	15 m A
5.	2 V	20 m A

$$\Delta v_{t} = 0.4 \text{ V}$$
 $\Delta I_{t} = 10 \text{ mA}$

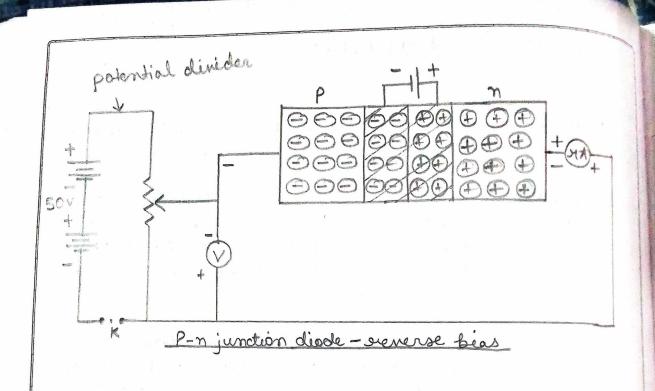
$$R = \frac{V}{I} = \frac{\Delta V_{t}}{\Delta I_{t}} = \frac{0.4 \times 10^{3}}{10}$$

$$= 40.2.$$

	Date
Expt.	No Page No
	Result:
	Result: Junction resistance in forward bias = 40.0.
	Pererautions:
	All connection should be neat, clean & tight.
(ii)	Key should be used in cht and opened uhen cht is not used.
	Source of everor :
	The junction supplied may be faulty.
_	



Expt. No. 98 EXPERIMENT-8 Page No. 15
Aim: V-I characteristics curve of a p-n junctions is runerse bias. Apparatus: A p-n junction diode, 3 volt
rheastate, 0-50 valt valtmeter, 0-10 and ammeter one-way key, sand paper, connecting wire.
Theory: When p-n junction diode us connected to (ve) terminal of battery and n-junction to (tve) terminal, it said to be summae biased. When remembe bias nottage increases, intially there is less increase in current, but when summers bias voltage increases to sufficiently high value, sucresse current increases to large value. This is zeros breakdown, voltage.



Expt. N

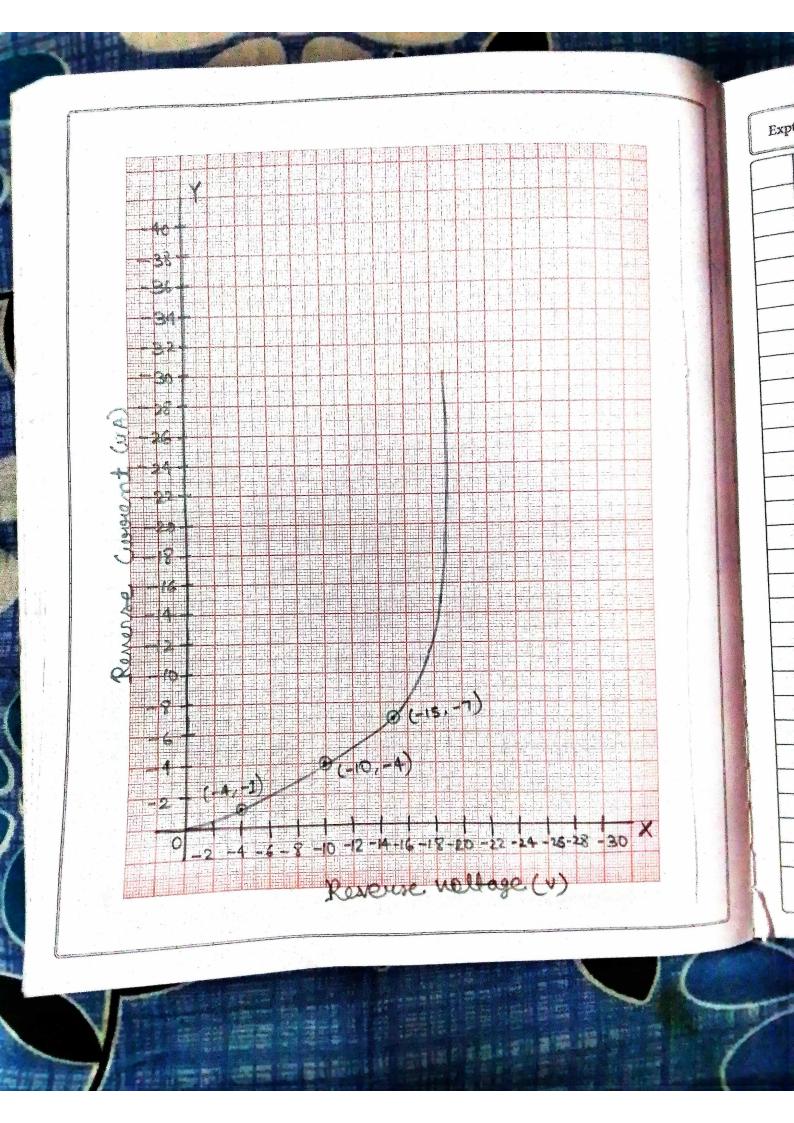
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(ii)

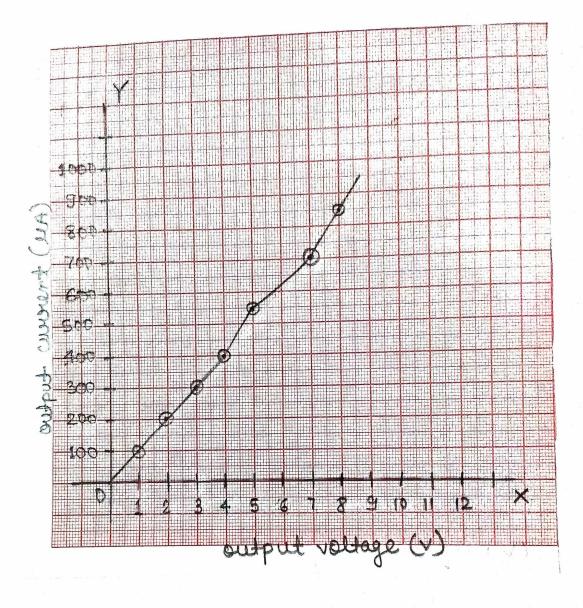
(i) (ii)

S.No	vollage (volt)	current (UA)
1.	0	0
2.	5	1
3.	7	2
4.	15	
5.	17	9
6 '	19	
7.	23	15

	Date
Expt. No	Page No. 16
A	Result: Junction resistance for reverse bias = 2×106 2.
	Poucautions:
	All connection must be clean, neat & tig
(ii) k	lenerse bias noltage beyond breakdouin should not be applied.
	Bource of engras:
(i) 2	Punction d'ede supplied may be faulty. Room temperature.
(ii)	Room temperature.



		Date
Expt. No. <u>09</u>	EXPERIMENT-9	Page No. 17
Aim :- Che	vacteristics curve d'ode.	of zenex
CUNTURSIT	:- The zener diod tery, high resista , nottmeter, one g wires.	
	ich n-type and heavily despred value of seenes (BVR). This is call vallage.	p-type soction. This results se breakdown led zener
where	Vo = Output Voltage VI = Input Voltage RIVI = Input curre	e. nt.
	Teacher's Sig	Inature

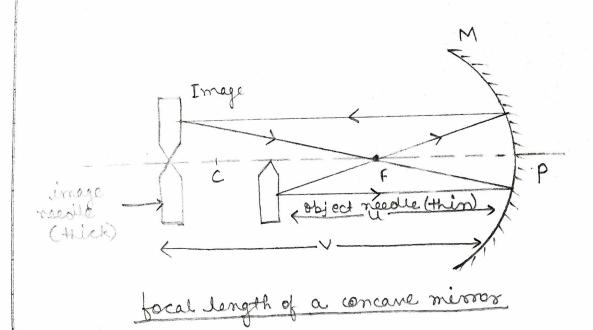


E

S.NO.	Output valtage	awrent (uA)
1	1	100
2	2	200
3 ·	3	390
4.	4	400
5	5	500

) of e
Expt	. No	Page No. 18
	Repult:	
	Repult: The reverse breakdouen nottage diade is 8v.	of zoner
	Precaution:	
(i)	All connection should be neat	, clean and
(ii)	Key should be used in ckt.	
	O	
		A contract of the contract of
	Teacher's Signature	

		Date
Expt. No. 10	EXPERIMENT - 10	Page No. 19
Aim :- Foodiffere	al length of concane nt value of le.	mirror for
Apparatus 3 upri concerne n	En optical bench ghts, one missor h nissor, a knitting r scale.	along with alder, 2 needles reedle, meter
Theory :-	Formula used;	
1	- 1 + 1 = t	= <u>UV</u>
where,	f = focal length. v = Image distance for u = object distance	from missor.
	raph between V and	
(11) 130, 9		
	Tenchar's Sit	gnature



SINO	u(cm)	v(cm)	1 cm-1	1 cm-1	P= 0+1
1.	-30	-33	-0.033	-0:030	-15.71
2.	-29	-35	-0.034	-0.028	-15.85
3,	-35	-28	-0.058	-0.035	-15.55
4.	-40	- 26	+ 0.025	-0.038	-15.75
5.	-32	- 29	-0.031	-0.034	-15.30
6	-31	-29	-0.032	-0.031	-15.21

Expt. No. _

Re

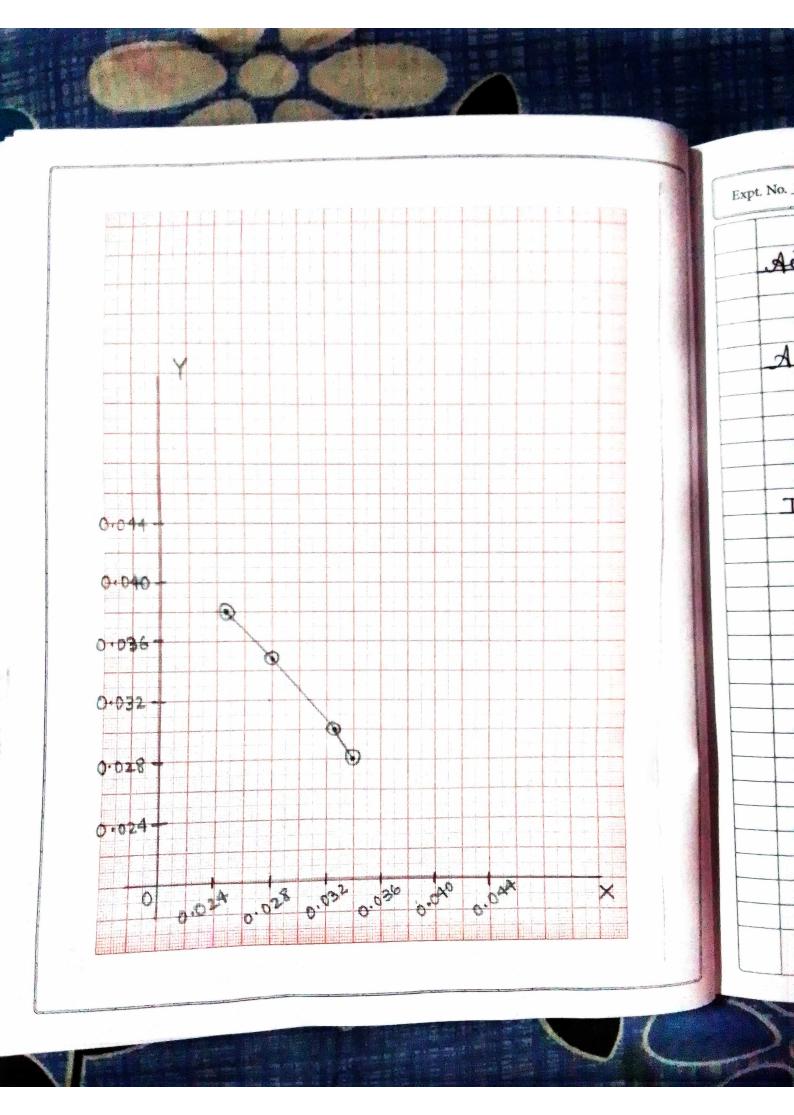
P.s

(i) (ii)

(i)

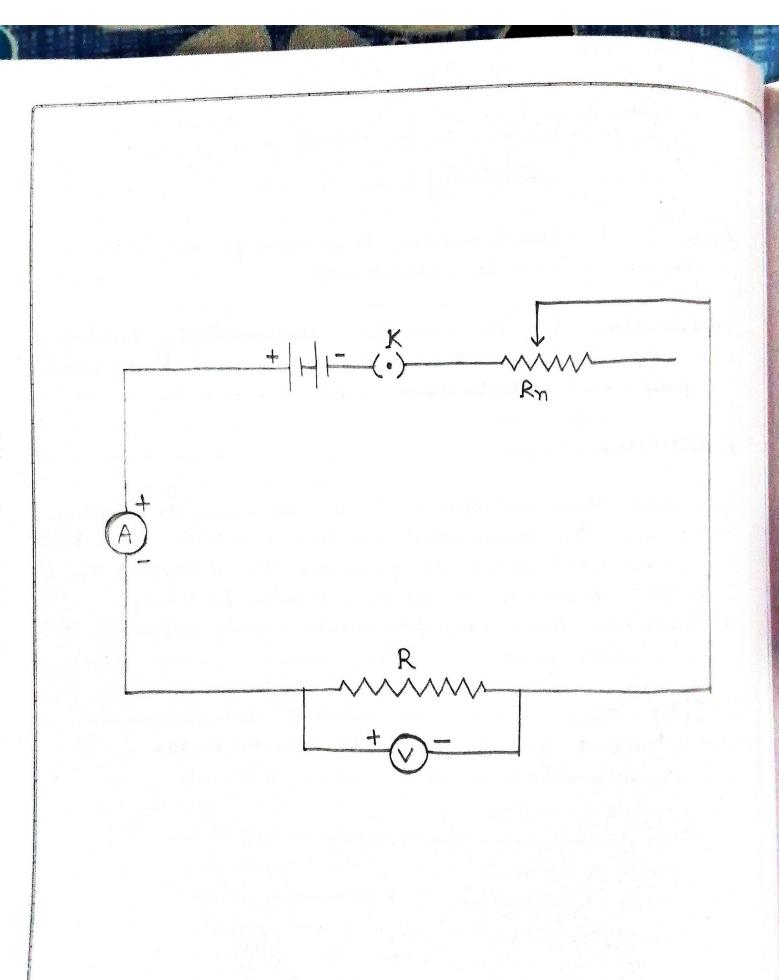
(ii)

100	Date
	Page No20
Expt.	No.
	Result: The focal length of given concare missor is -15.5 cm.
_	is -15.5 cm.
_	Preorautions:
(1)	The upright schould be restical.
(ii)	Indesc corresponding for u and v must be applied.
	be applied.
	donner of exore:
(i)	
ii)	Parallete removed may not be perfect.
4.)	
	Teacher's Signature

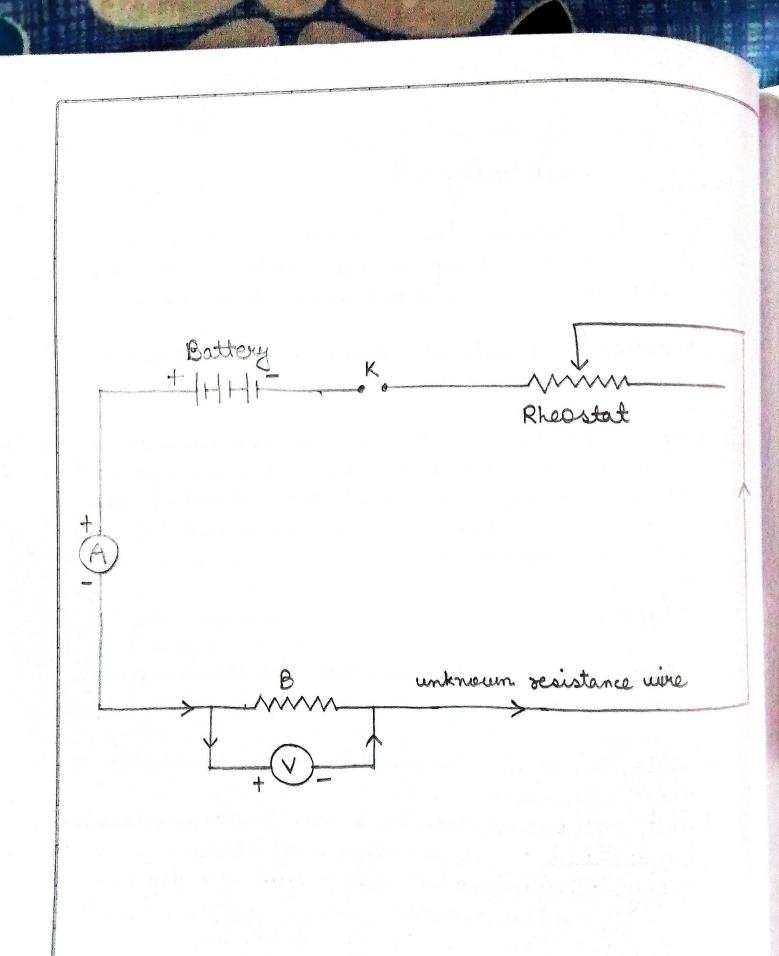


Activity -1. Aim : To determine a household circuit comprising the bulbs whitches, fuse and a passer sources. Apparatus: Bulbs, ture, battery, fure wire. Theory: Formula used for calculating power, P = V² = I²R = VI = P1 + P2 + Pn. Procedure.: - i) Connect the bulbs B1, B2 & B3 in series with switches S1, S2 & S3 respectively and connect cach sot of B-S in parallel with each other. ii) Connect main supply to an a step-down-transformer of required waltage 0-10 v. If) Connect the main fuse Ms in series with the supply. V) Connect A-C ammeter in remes with the B-S set. V) Connect one end of power tupply to one end of B-S set. Chack the circuit ones more to ensure that household circuit is complete. Connectably increases the current to 0.75 A3. The fuse must become off at 0.6 A.		PROJECT FILE Date
Aim: To determine a household circuit comprising the bulbs suritches, fuse and a passes sources. Apparetus: Bulbs, fuse, bottery, fuse usine. Theory: Formula used for calculating powers, P = V² = I²R = VI = P1 + P2 + Pm. Procedure: - i) Comment the bulbs B1, B2 & B3 in series with suitches S1, S2 & S3 respectively and comment each sot of B-S in parallel with each other. ii) Connect main supply to an a step-down-transformer of required vallage 0-10 v. iii) Connect the main fuse Ms in series with the supply. V) Connect A-C ammeter in review with the B-S set. V) Connect one end of power supply to one end of B-S set. Connect one end of power supply to one end of B-S set. Check the circuit ones more to ensure that household circuit is complete. Connectally increases the current to 0.75 As.	Ex	Page No
Aim: To determine a household circuit comprising the bulbs suritches, fuse and a passes sources. Apparetus: Bulbs, fuse, bottery, fuse usine. Theory: Formula used for calculating powers, P = V² = I²R = VI = P1 + P2 + Pm. Procedure: - i) Comment the bulbs B1, B2 & B3 in series with suitches S1, S2 & S3 respectively and comment each sot of B-S in parallel with each other. ii) Connect main supply to an a step-down-transformer of required vallage 0-10 v. iii) Connect the main fuse Ms in series with the supply. V) Connect A-C ammeter in review with the B-S set. V) Connect one end of power supply to one end of B-S set. Connect one end of power supply to one end of B-S set. Check the circuit ones more to ensure that household circuit is complete. Connectally increases the current to 0.75 As.		Activity - 1.
Appasiatus - Bulbs, fuse, battery, fuse usise. Theory - Formula used for calculating power, P = V2 = I^2R = VI = P1 + P2 + Pn. Psiocoduse - i) Connect the bulbs B1, B2 & B3 in series with switches S1, S2 & S3 respectively and connect each sot of B-S in parallel with each other. i) Connect main supply to as a step-down- transformer of required waltage 0-10 v. ii) Connect the main fuse Ms in series with the supply. Connect A-C ammeter in review with the B-S set. Connect one end of power supply to one end of B-S set. Check the circuit ones more to ensure that Rousehold circuit is complate. Connectably increases the current to 0.75 As the fuse must burn off at 0.6 A.		
Appasiatus - Bulbs, fuse, battery, fuse usise. Theory - Formula used for calculating power, P = V2 = I^2R = VI = P1 + P2 + Pn. Psiocoduse - i) Connect the bulbs B1, B2 & B3 in series with switches S1, S2 & S3 respectively and connect each sot of B-S in parallel with each other. i) Connect main supply to as a step-down- transformer of required waltage 0-10 v. ii) Connect the main fuse Ms in series with the supply. Connect A-C ammeter in review with the B-S set. Connect one end of power supply to one end of B-S set. Check the circuit ones more to ensure that Rousehold circuit is complate. Connectably increases the current to 0.75 As the fuse must burn off at 0.6 A.		comprising the bulbs suitches, fuse and
Theory - Formula used for calculating powers, $P = \frac{V^2}{R} = I^2R = VI$ $= P_1 + P_2 + P_n.$ Procedure: - i) Connect the bulbs B1, B2 & B3 in series with suitches S1, S2 & S3 respectively and connect cach sot of B-S in parallel with each other. i) Connect main supply to as a step-down- transformer of required valtage 0-10 v. ii) Connect the main fuse Ms in series with the supply. v) Connect A-C ammeter in review with the B-S set. (Connect one end of power supply to one end of B-S set. ii) Check the circuit ones more to ensure that howeverland circuit is complete. ii) Check the circuit ones more to ensure that howeverland circuit is complete.		
P = V2 = I ² R = VI = P ₁ + P ₂ + P _n . Procedure. '- i) Connect the bulbs B ₁ , B ₂ & B ₃ in series with switches S ₁ , S ₂ & S ₃ respectively and connect cach sot of B ₋ S in parallel with each other. i) Connect main supply to an a step-down-transformer of required voltage 0-10 v. ii) Connect the main tuse Ms in series with the supply. V) Connect A-C ammeter in review with the B-S set. Connect one end of power tupply to one end of B-S set. Check the circuit ones more to ensure that household circuit is complete. ii) Chadually increases the current to 0.75 A ₂ the fuse must bearn off at 0.6 A.		Appasiatus - Bulbs, fuse, battery, fuse uise.
Procedure: Procedure: Procedure: Procedure: Commert the bulbs B1, B2 & B3 in series with Suitches S1, S2 & S3 respectively and commert each sot of B-S in parallel with each other. Commert main supply to an a step-down- toansformer of required, voltage 0-10 v. Connect the main fuse Ms in series with the supply. Connect A-C ammeter in review with the B-S set. Connect one end of power supply to one end of B-S set. Chack the circuit ones more to ensure that Rousehold circuit is complete. Conadually increases the current to 0.75 A. the fuse must become off at 0.6 A.		Theory - Formula used for calculating power;
Procedure: — i) Connect the bulbs B1, B2 & B3 in series with suitches S1, S2 & S3 respectively and connect cach sot of B-S in parallel with each other. i) Connect main supply to an a step-down- transformer of required voltage 0-10 v. ii) Connect the main tuse Ms in series with the supply. V) Connect A-C ammeter in review with the B-S set. Connect one end of power supply to one end of B-S set. i) Check the circuit ones more to ensure that Rousehold circuit is complate. ii) Chadually increases the current to 0.75 A. the fuse must become off at 0.6 A.		$P = \frac{V^2}{R} = I^2 R = VI$
Procedure: — i) Connect the bulbs B1, B2 & B3 in series with suitches S1, S2 & S3 respectively and connect cach sot of B-S in parallel with each other. i) Connect main supply to an a step-down- transformer of required voltage 0-10 v. ii) Connect the main tuse Ms in series with the supply. V) Connect A-C ammeter in review with the B-S set. Connect one end of power supply to one end of B-S set. i) Check the circuit ones more to ensure that Rousehold circuit is complate. ii) Chadually increases the current to 0.75 A. the fuse must become off at 0.6 A.		= P1 + P2 + Pn .
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transformer of required Moltage 0-10 v. (i) Connect the main ture Ms in series with the B-S set. (v) Connect one end of power supply to one end of B-S set. (i) Check the circuit ones more to ensure that household circuit is complete. (ii) Checkult increases the current to 0.75 A. the fuse must beyon off at 0.6 A.		each sot of B-S in parallel with each other.
transformer of required Moltage 0-10 v. (i) Connect the main ture Ms in series with the B-S set. (v) Connect one end of power supply to one end of B-S set. (i) Check the circuit ones more to ensure that household circuit is complete. (ii) Checkult increases the current to 0.75 A. the fuse must beyon off at 0.6 A.	(ii)	Connect main supply to a step-down-
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() Connect one end of power supply to one end of B-S set. i) Check the circuit ones more to ensure that household circuit is complete. ii) Cradually increases the current to 0.75A. the fuse must burn off at 0.6A.		the supply.
i) Check the circuit ones more to ensure that household circuit is complete. i) Croadually increases the current to 0.75A. the fuse must burn off at 0.6A.	(JV)	connect A-C ammoster 1 resolution of the B-3 sa.
household circuit is complete. (roadically increases the current to 0.75A.) the fuse must burn off at 0.6A.	(V)	Connect one end of powers supply to one one
household circuit is complete. (roadically increases the current to 0.75A.) the fuse must burn off at 0.6A.	Vis	Charle the circuit ones more to ensure that
the fuse must bearn off at 0.6A.	VI)	Production disconsidered
	vin	Conductly increases the current to 0.75A.
)	the tuse must been off at 0.6A.
		Teacher's Signature

	Date
Exp	t. No Page No26
	Activity - 2. Aim :- To assemble the components of a given electric current. Apparatus :- Voltmeter, ammeter, battery, a reheastat, connectivity wises, sand
	paper , resistance coil.
	Procedure:
	Connect the components as showen in fig. Connect the ammeter in series with circuit. Connect voltmeter in parallel to resistor.
	Connect suitch in series with battery. Assemble all components and circuit is complete.
1	Stility: His used for measuring unknown wesistance.



Teacher's Signature _



Candle.

Adjust the mirror to get inverted, eract image of candle on screen.

As the object is moving to wounds the mirror, the image gets enlarged slouely. Then, after reaching a distance equal to F.

no image is seen

Thus, the focal length can be measured.

	Date
Exp	Page No. 30
	Activity - 6.
	Aim: To observe palarisation slab, monoch- rematic of light using two palarisids.
	Apparatus: Thin glass slab, monochromatic light, polaroids.
	Theory: Then an unpolarised is made to indience of interface of 2 transparent media at polarising angle repracted and reflected says are at 90.
(i)	Perocodure: Keep a thin glass sheet in a horoizontal plane surface with a whole under sheet.
() ()	Take a beam of monochromatic light having parallel slays and make it incident ton paper.
(iii)	Adjust the angle of incidence to 57:5°.
(14)	