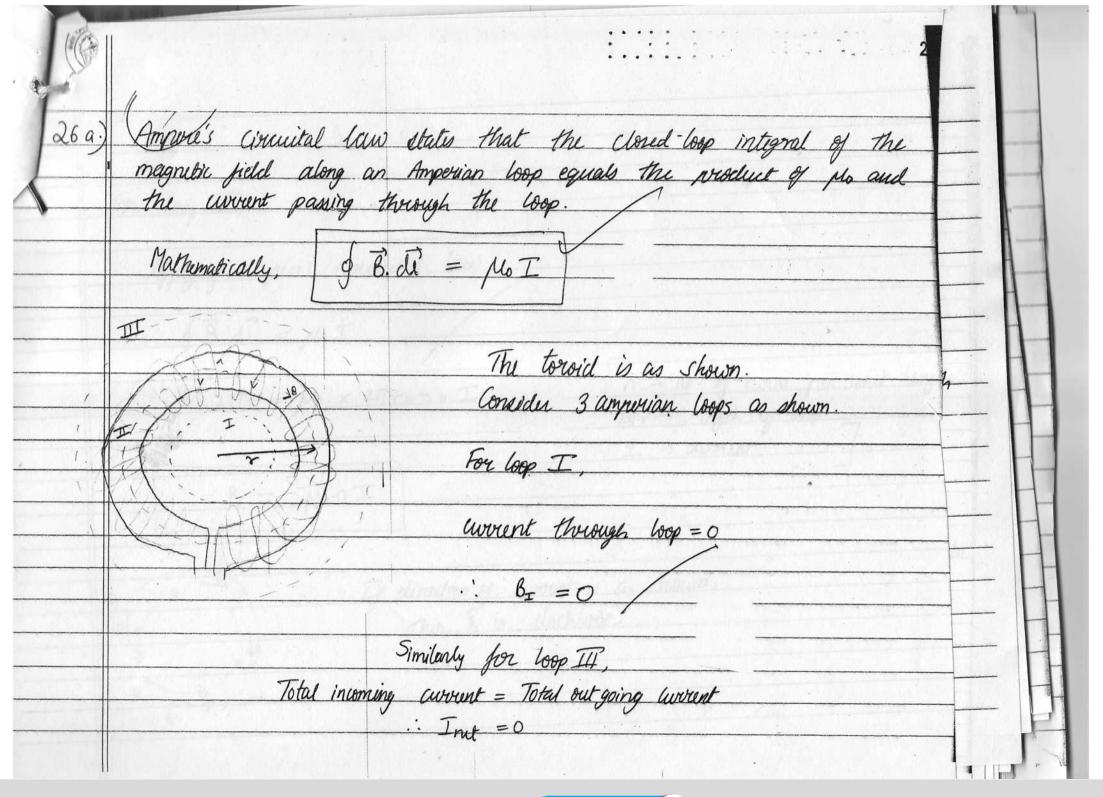
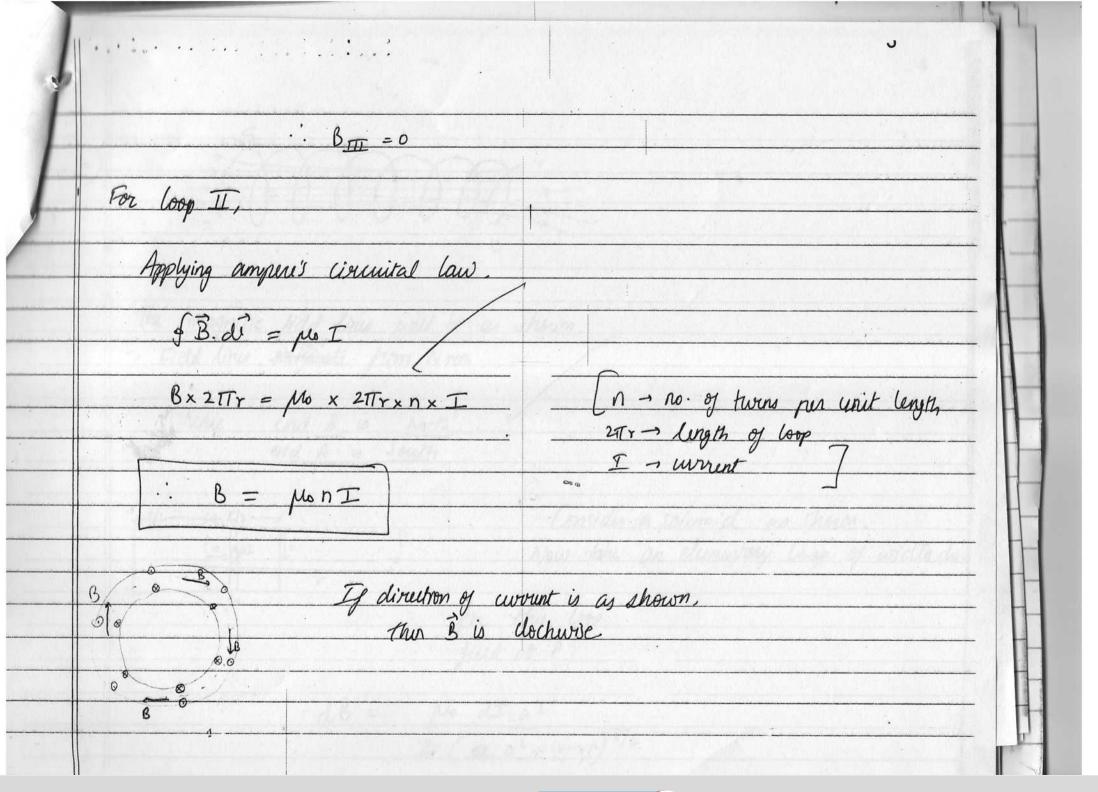
र्शीनियर स्कूल सर्टिपि	केट परीक्षा (कक्षा बारहवीं)	
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विषय Subject : PH	15165	
विषय कोड Subject Code :	Carlos China Carlos Car	
परीक्षा का दिन एवं तिथि Day & Date of the Examination :	MONOAY, 09-03-2015	
उत्तर देने का माध्यम Medium of answering the paper		
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कोड को दर्शाए :	ode Number Set Number ③	
अतिरिक्त उत्तर-पुस्तिका (ओं) की र No. of supplementary answer-h		
	pook(s) used $2HH=3$	
विकलांग व्यक्ति : Person with Disabilities :	हाँ / नहीं Yes / No	
किसी शारीरिक अक्षमता से प्रभावित । If physically challenged, tick the c	हो तो संबंधित वर्ग में 🗸 का निशान लगाएँ।	
B D F	H S C A	
B = दृष्टिहीन, D = मूक व बधिर, H = शा C = डिस्लेक्सिक, A = ऑटिस्टिक	रीरिक रूप से विकलांग, S = स्पास्टिक	
B = Visually Impaired, D = Hearing Ir S = Spastic, C = Dyslexic, A = Autisti		Company Parameter Comment of the Com
क्या लेखन – लिपिक उपलब्ध करवा Whether writer provided :	या गया : हाँ / नहीं Yes / No NO	
यदि दृष्टिहीन हैं तो उपयोग में लाए गये		
सोपटवेयर का नाम : If Visually challenged, name of softw	are used :	
*एक खाने में एक अक्षर लिखें। नाम के प्रत्येक म नाम 24 अक्षरों से अधिक है, तो केवल नाम के प्रत्ये	ग्रम के बीच एक खाना रिक्त छोड़ दें। यदि परीक्षार्थी का थम 24 अक्षर ही लिलें।	
	ne box be left blank between each part of the	
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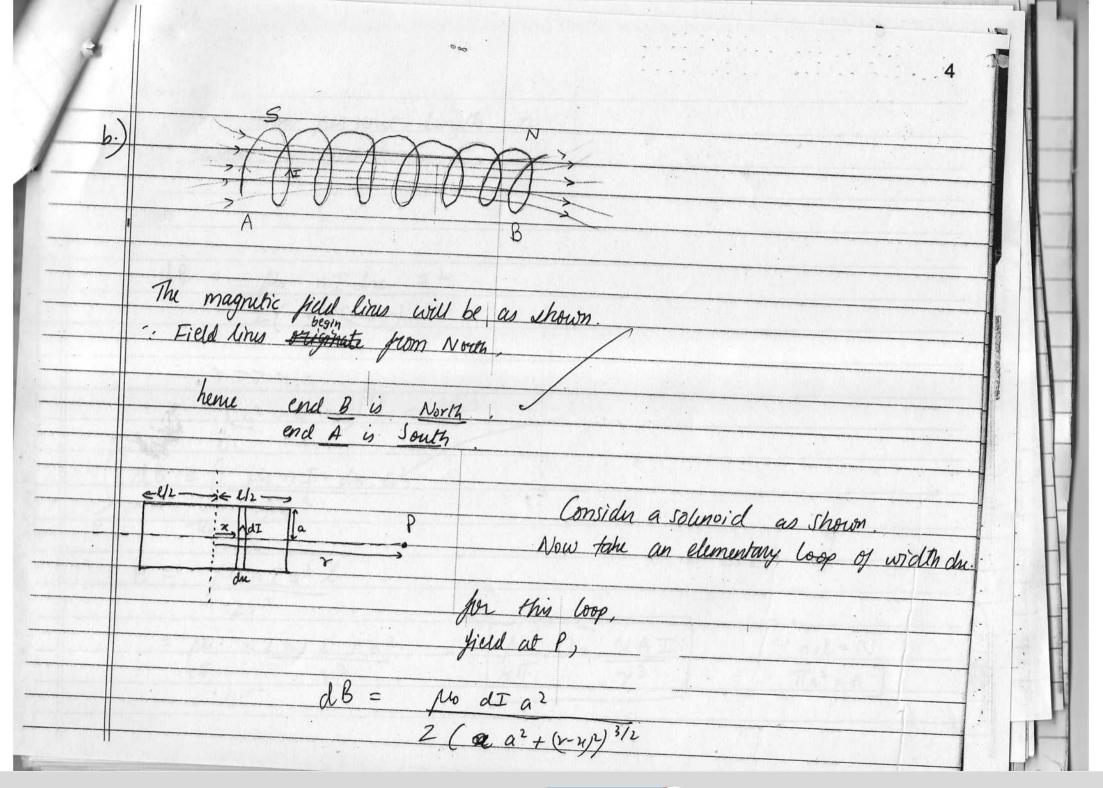




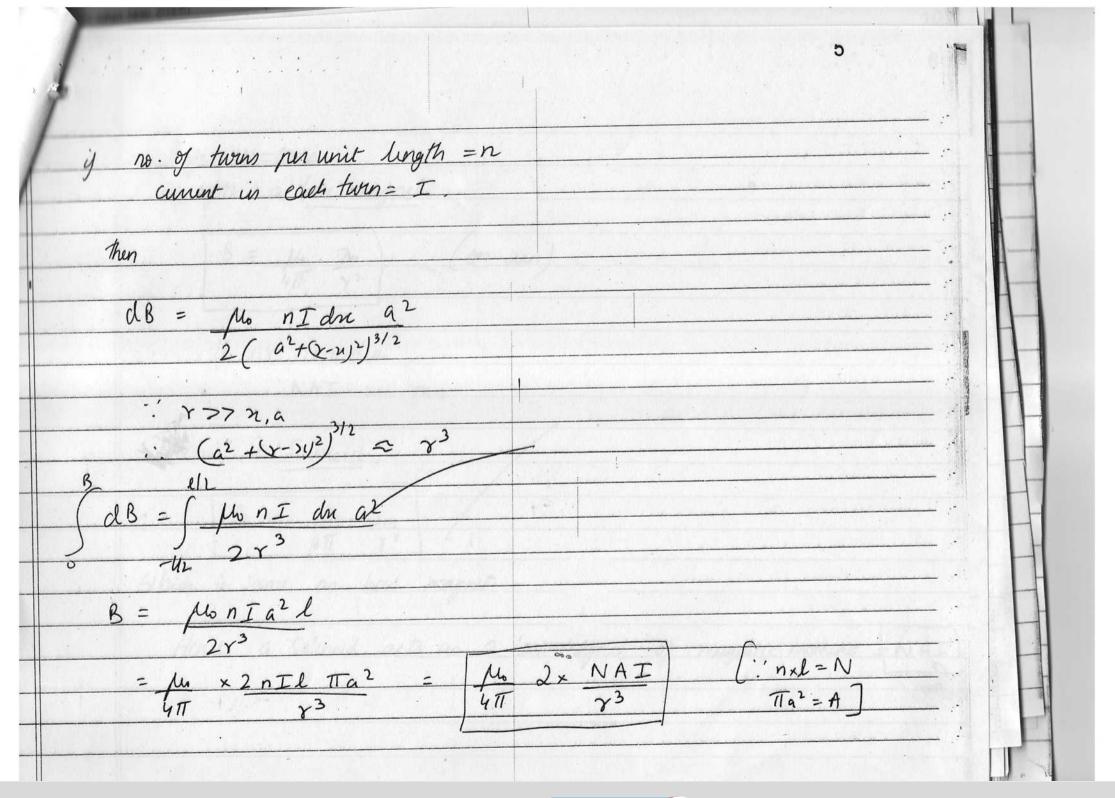




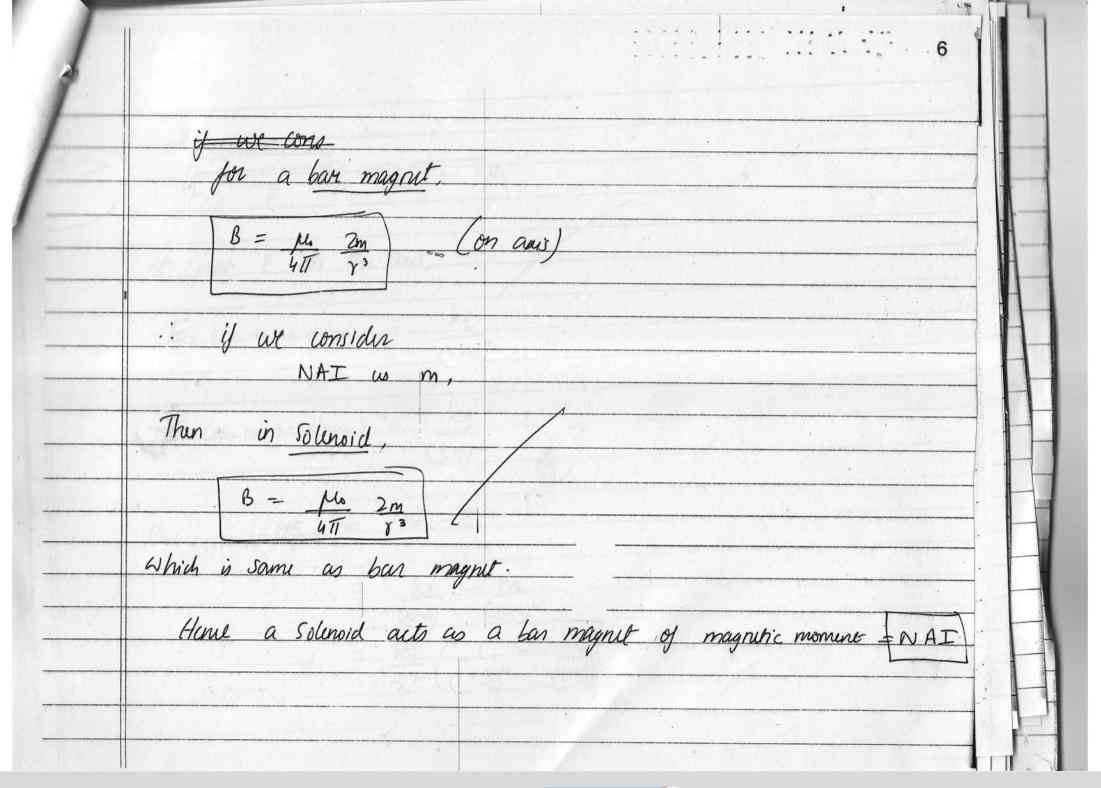




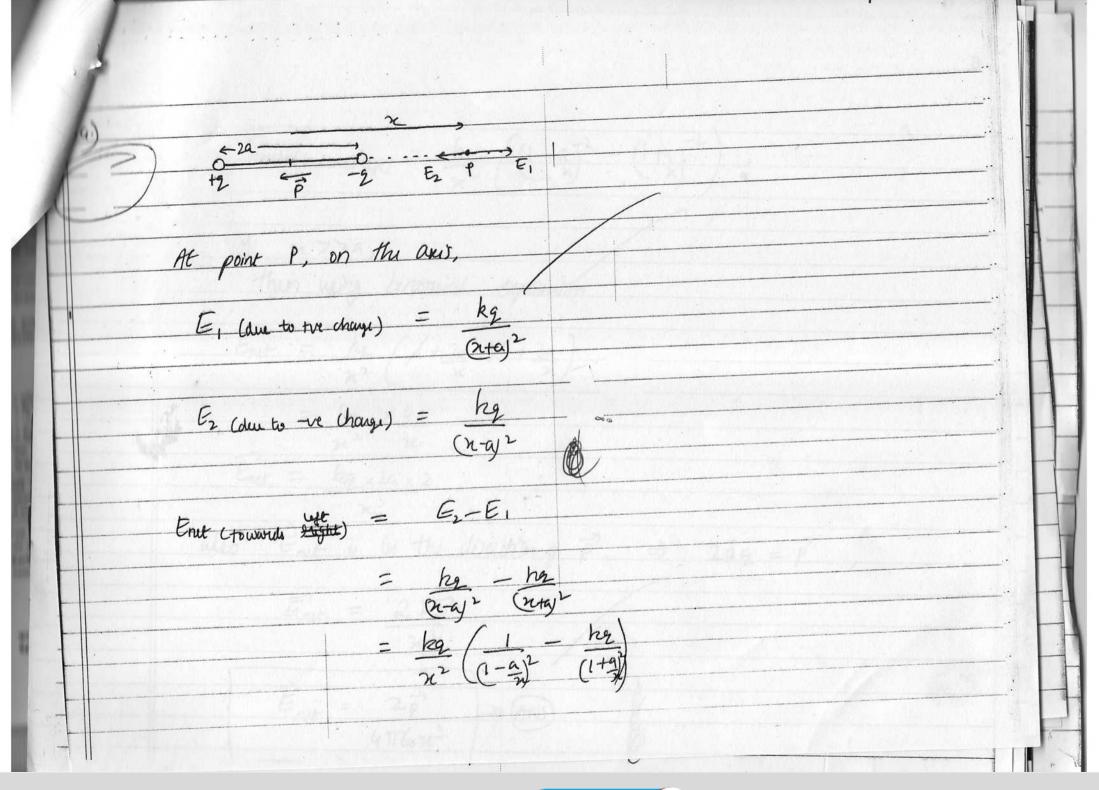




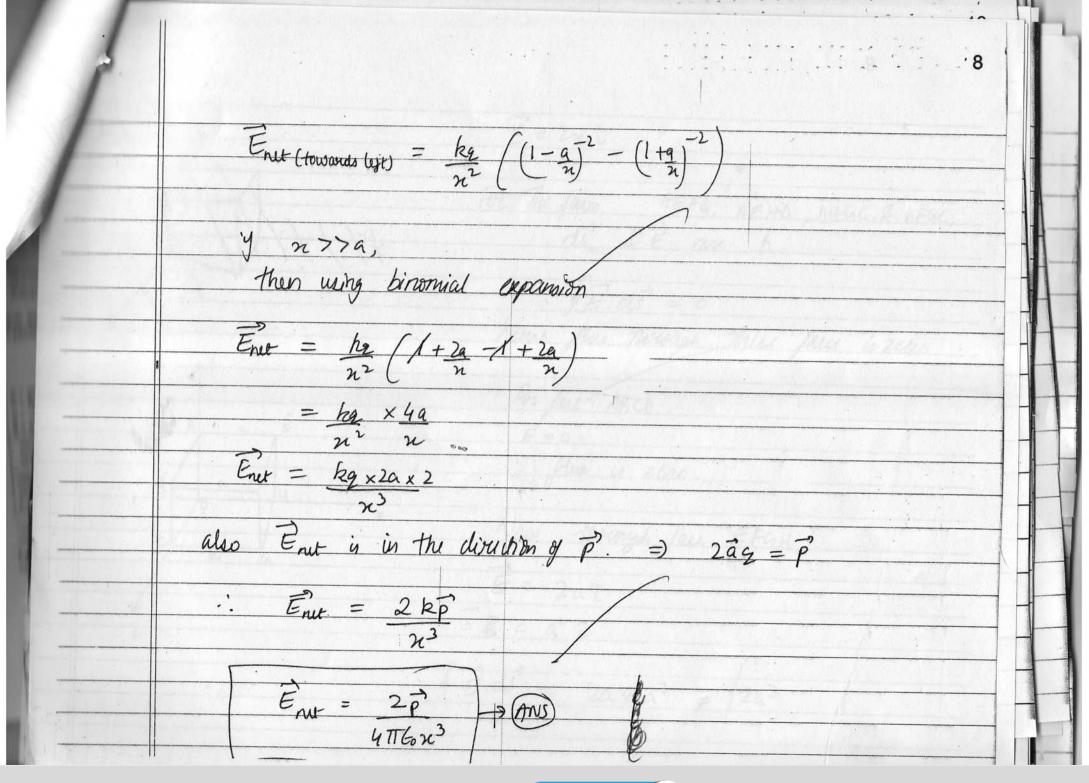








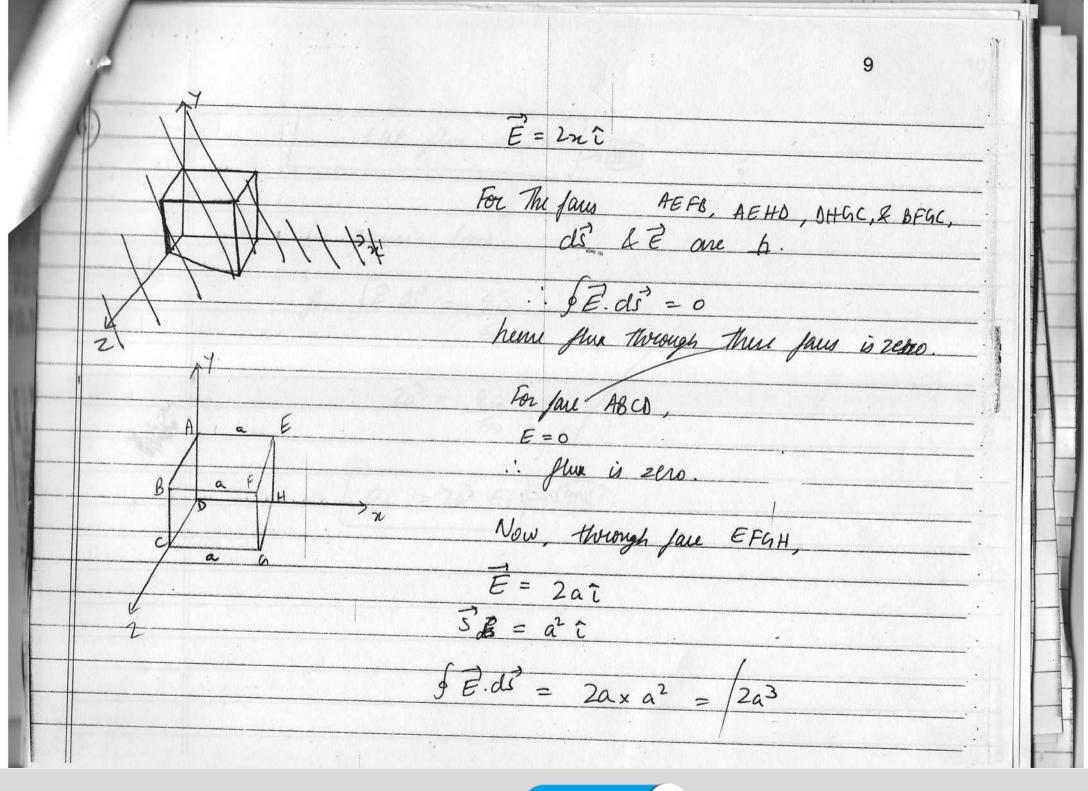




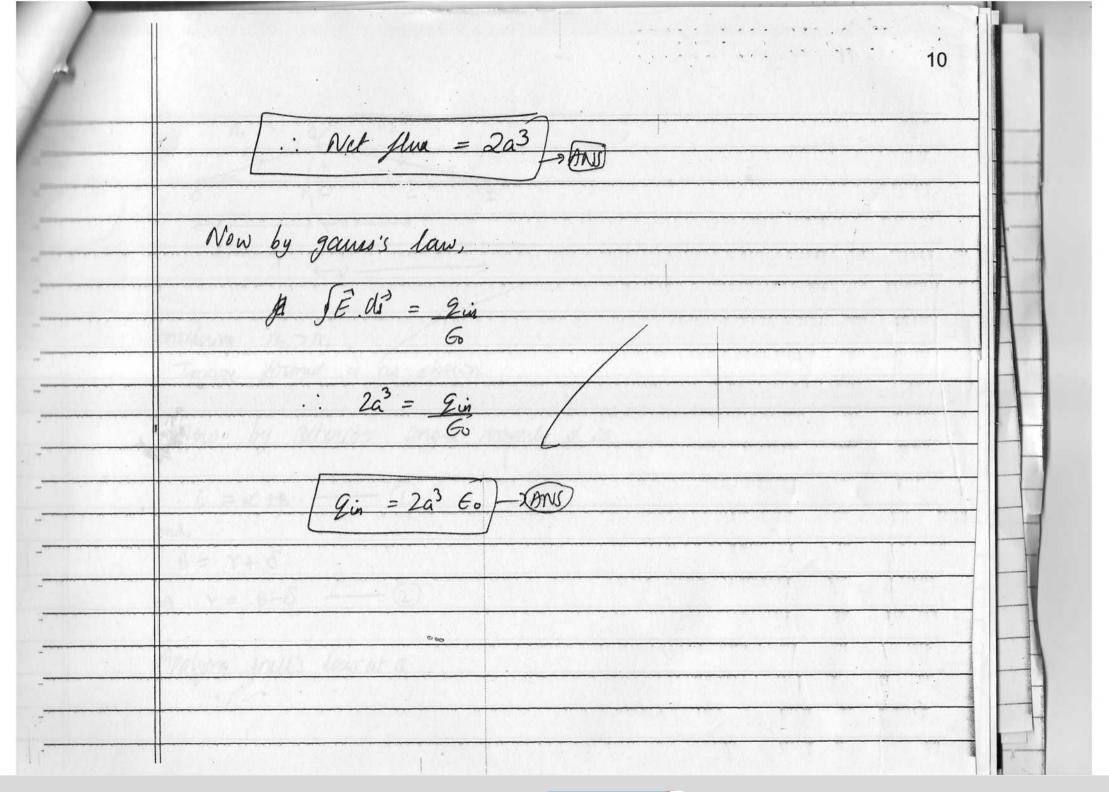
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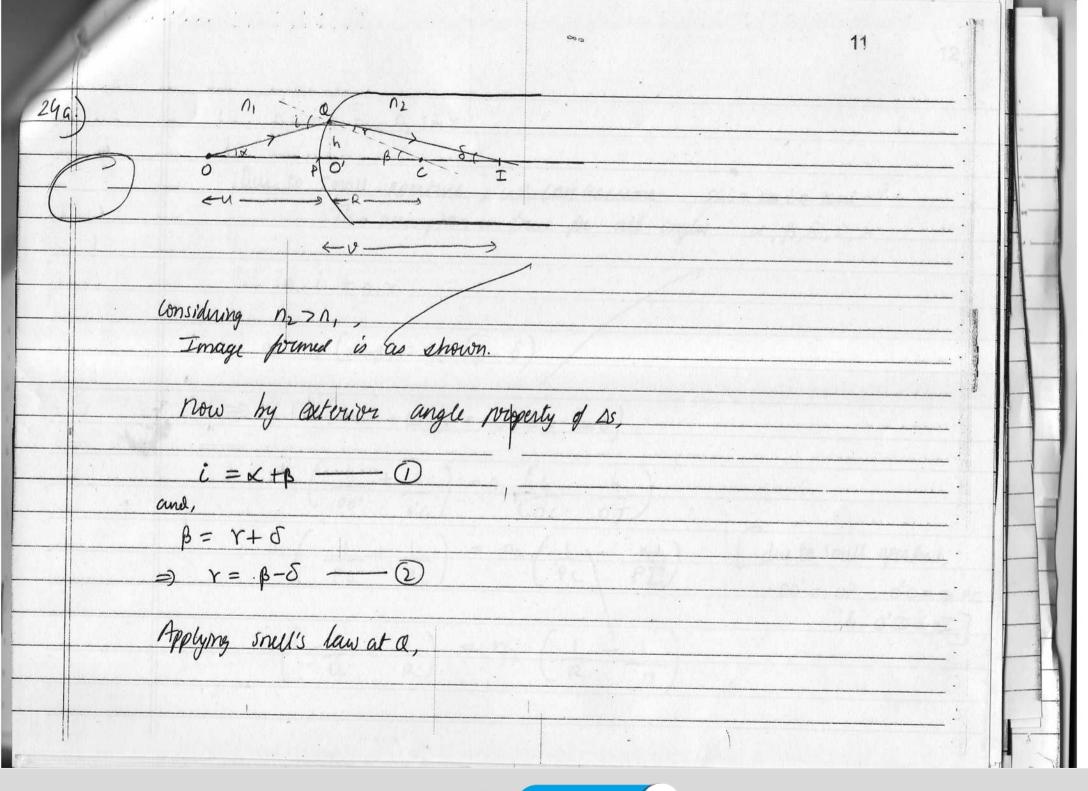




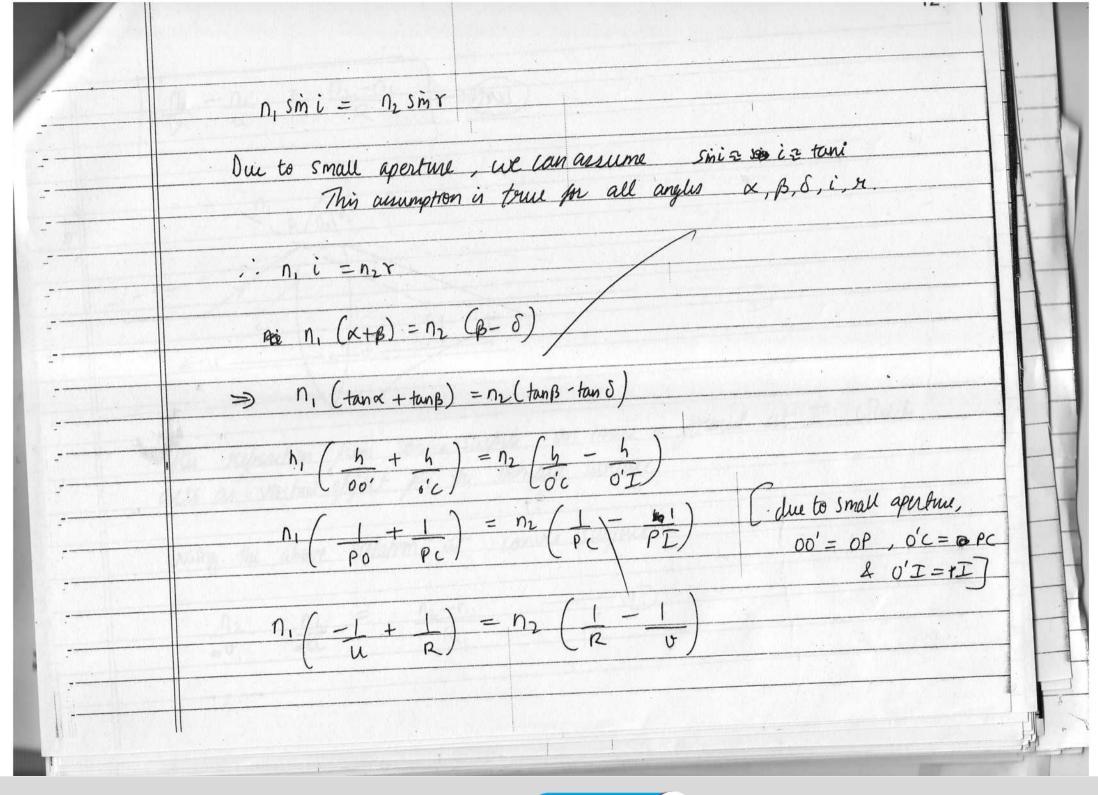




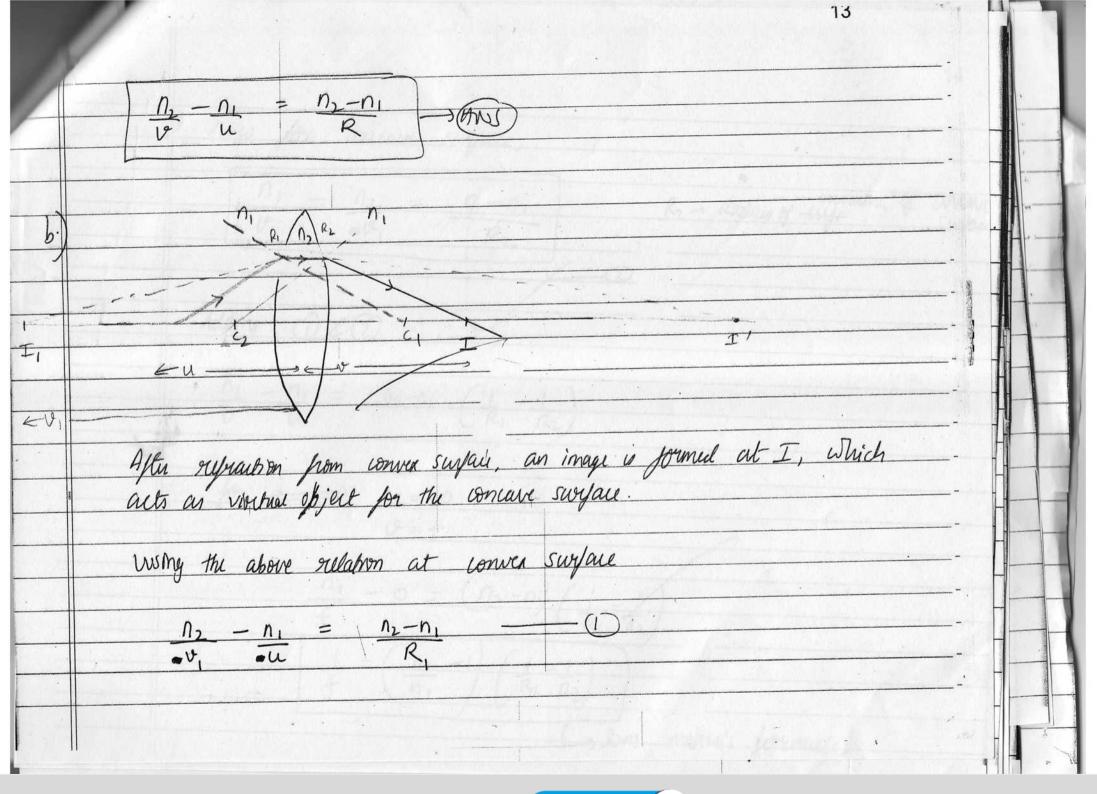




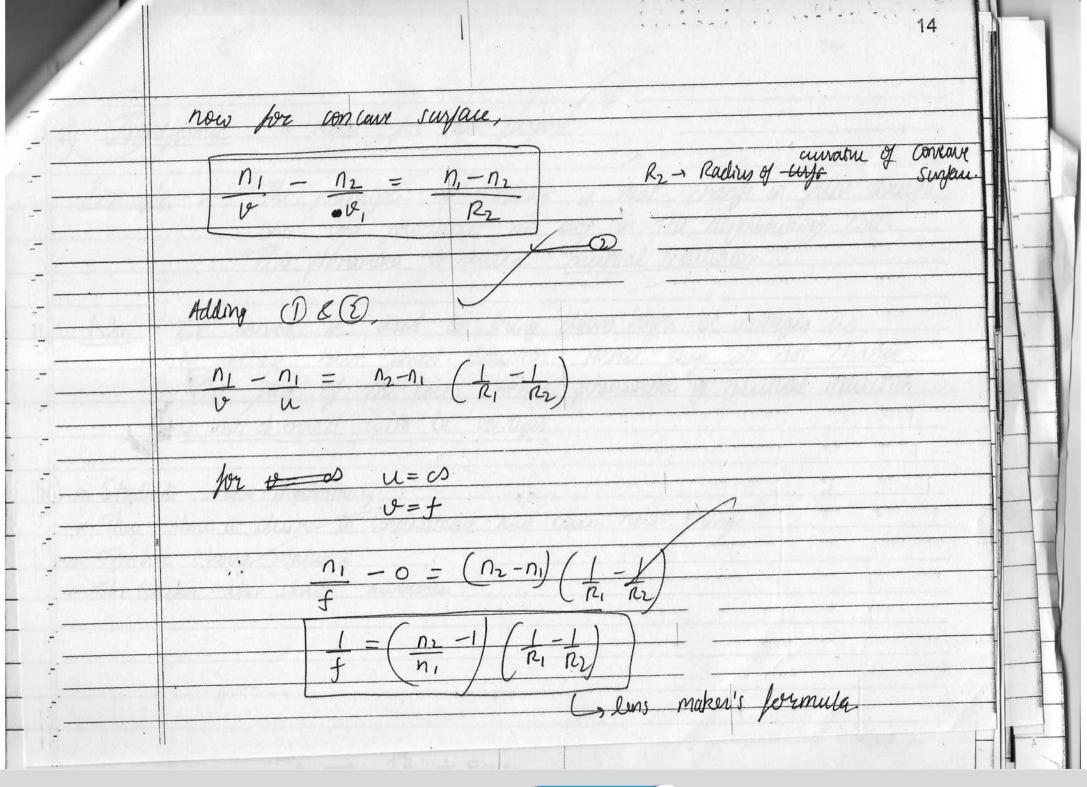




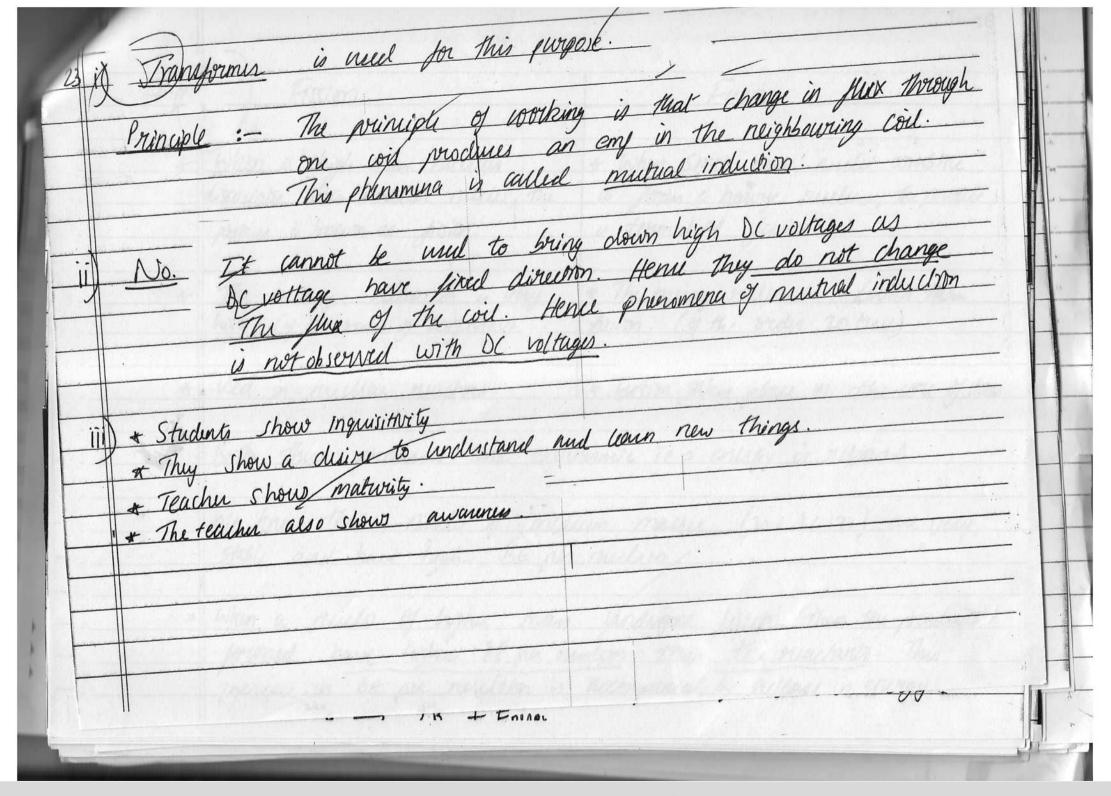










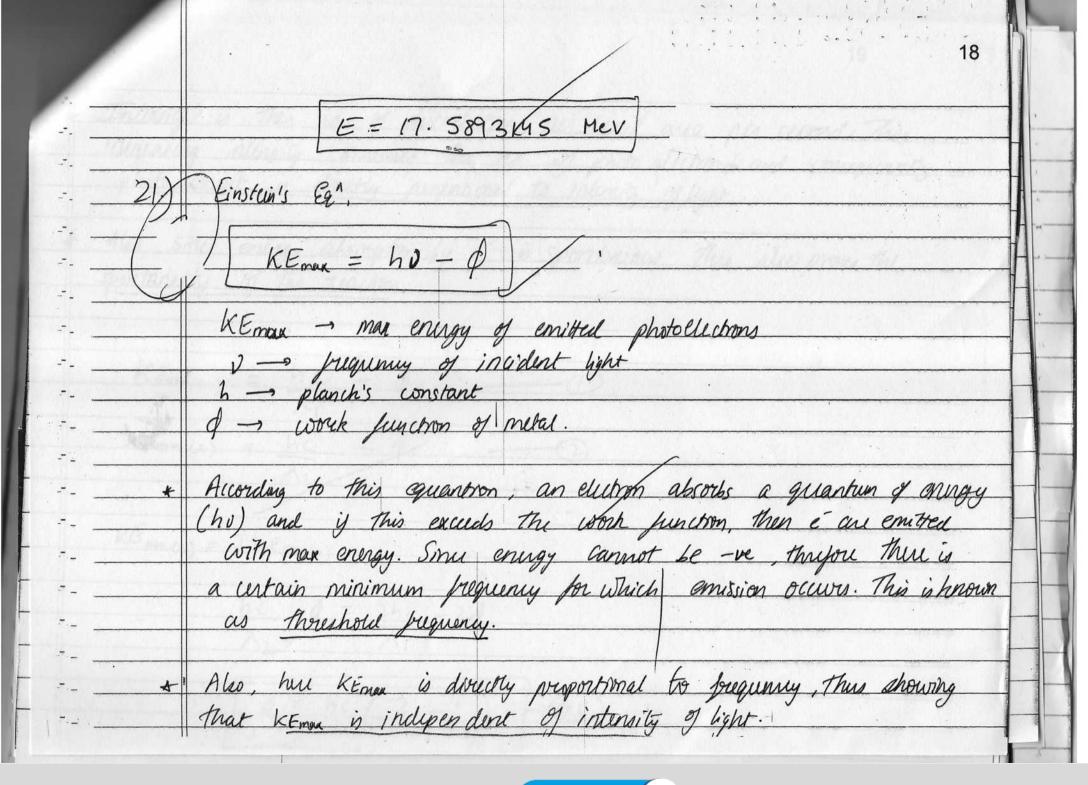




	Funda
22. J. Fission	F WOLDEY
hippon a high man mydus	& When Small man rule combine
when a high man rudius	
dissociates into smaller nuclei, the	is termed as fusion.
priorius is known as fission.	O 10 sier g
	The same of laws House
* The energy released is very	* The energy relieved shows man
high (of the order of 200 Kier).	# The energy releved is lower than fixion (of the order 20 Mex)
* Vsed in nuclear reactors.	* Fusion takes place in the core of ste
of vous of routing randows	
0	exothermic ies energy is released.
Both These violens are a	activativa c 16 5 strongs
	per mulion (30 LA L 170) au very
We know that ruly of n stable and have high BE	per nuclion (30 LAC 170) au very
We know that ruly of restricted to the BE	nedium messes (30 LA L 170) are very per neulion
We know that ruly of no stable and have high BE. When a rule of higher me	nedium masses (30 LAL 170) are very per neulion, nan jandigoes fission, then the production mulion than the reactants. This
Ne know that ruly of no stable and have high BE when a rule of higher me	nedium masses (30 LAL 170) are very per runcion, nan jandingoes fission, then the production muleon than the reactants. This is accompanied by release in energy.



When two nuclei of lower mans combine to form a stable product,
then again, the BE per nucleon of products is more than that of reactants. This inexame in BE per nucleon is accompanied by ruleuse of energy. eg: 2H+3H->2He+n hue man of pd = 4.002603 + 1.00 8665 = 5.011268 u mass of regularity = 3.016049 + 2.014102 = 5.030151u $\Delta m = 5.030151 - 5.011268$ Om = 0.018883 u Energy released = smc2 = smx 931.5 Mer poor

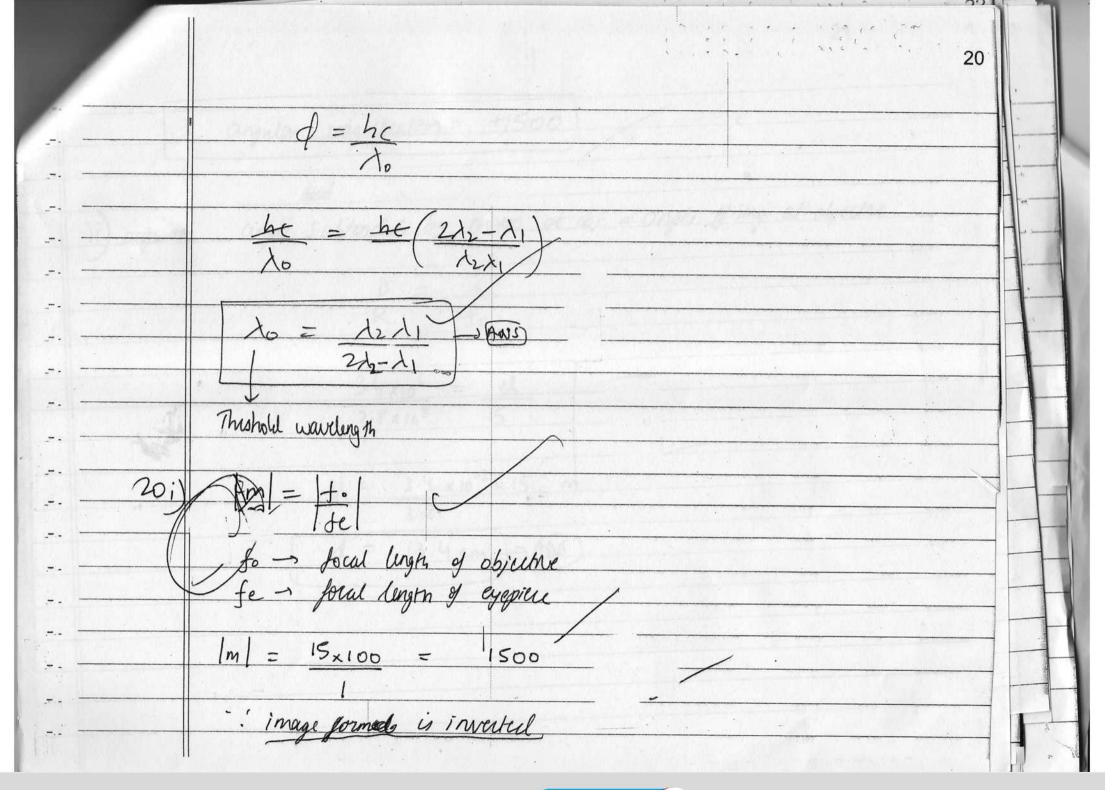




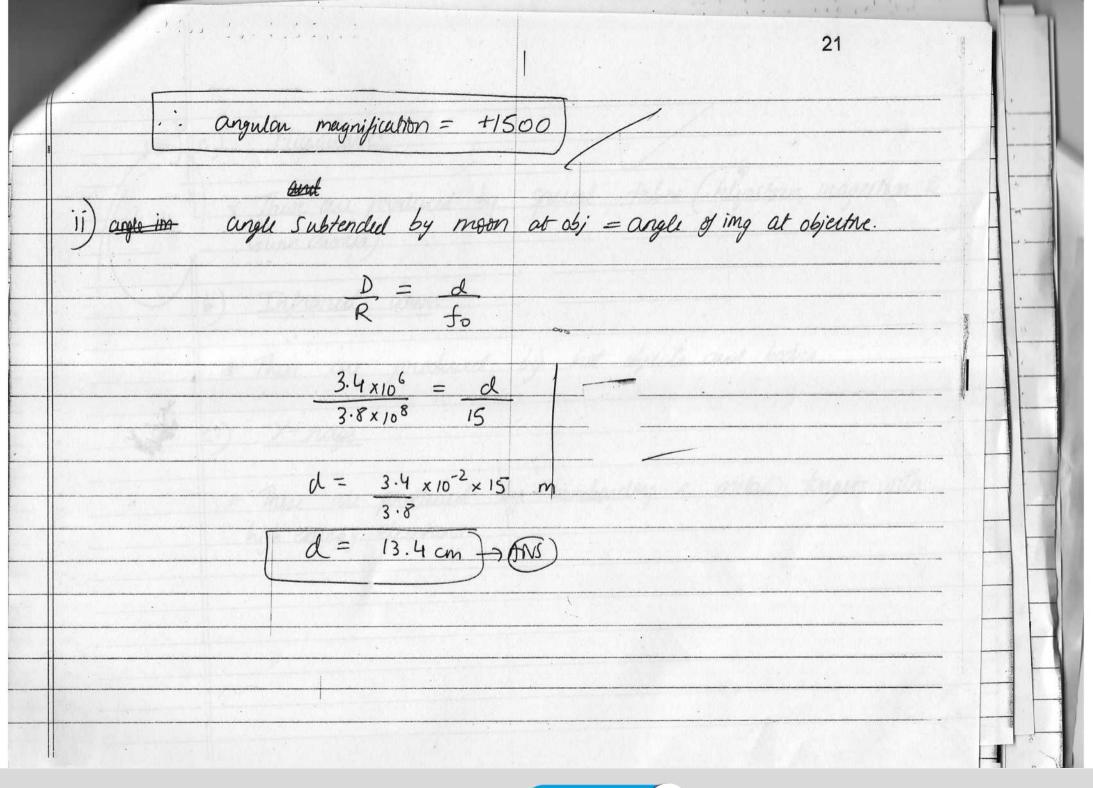
Intin	vity is	The ,	no of pl	noto electr	ons per	unit an	ea per	second.	Thus
inuua phot	to cover	ntensity u	invegues	The wofortion	no. of	photo electority of	trons and light.	d conecy	worth
Also	Since	energy At the	absorption	by e	is spor	Honeous,	This a	4	o prove

$$\frac{hc}{dt} - d = \frac{2hc}{dt} - 2d$$

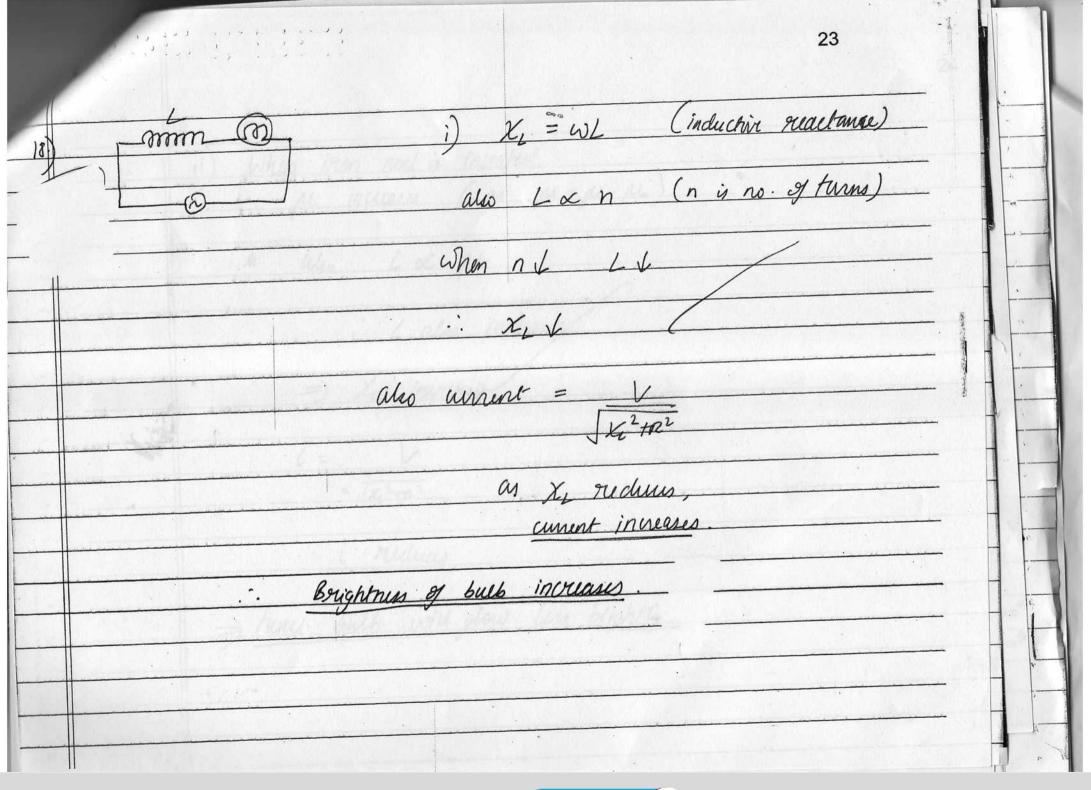
$$d = hc \left(\frac{2}{\lambda_1} - \frac{1}{\lambda_2}\right) \rightarrow ans$$









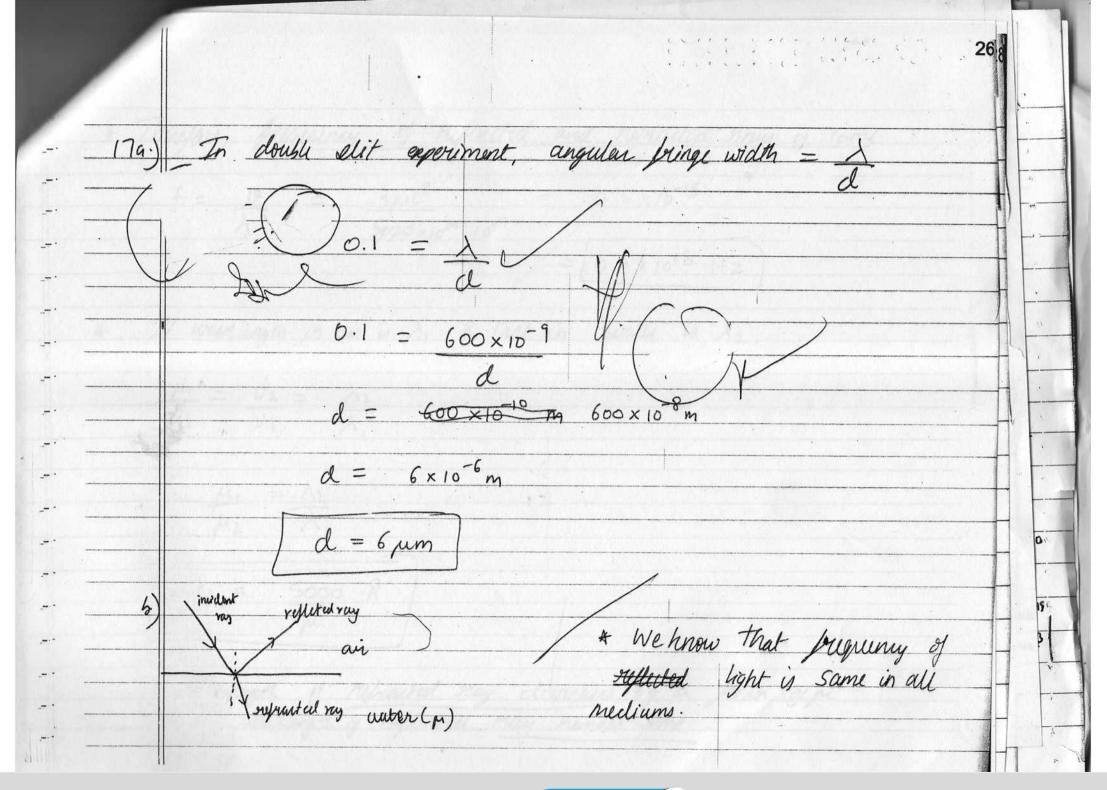






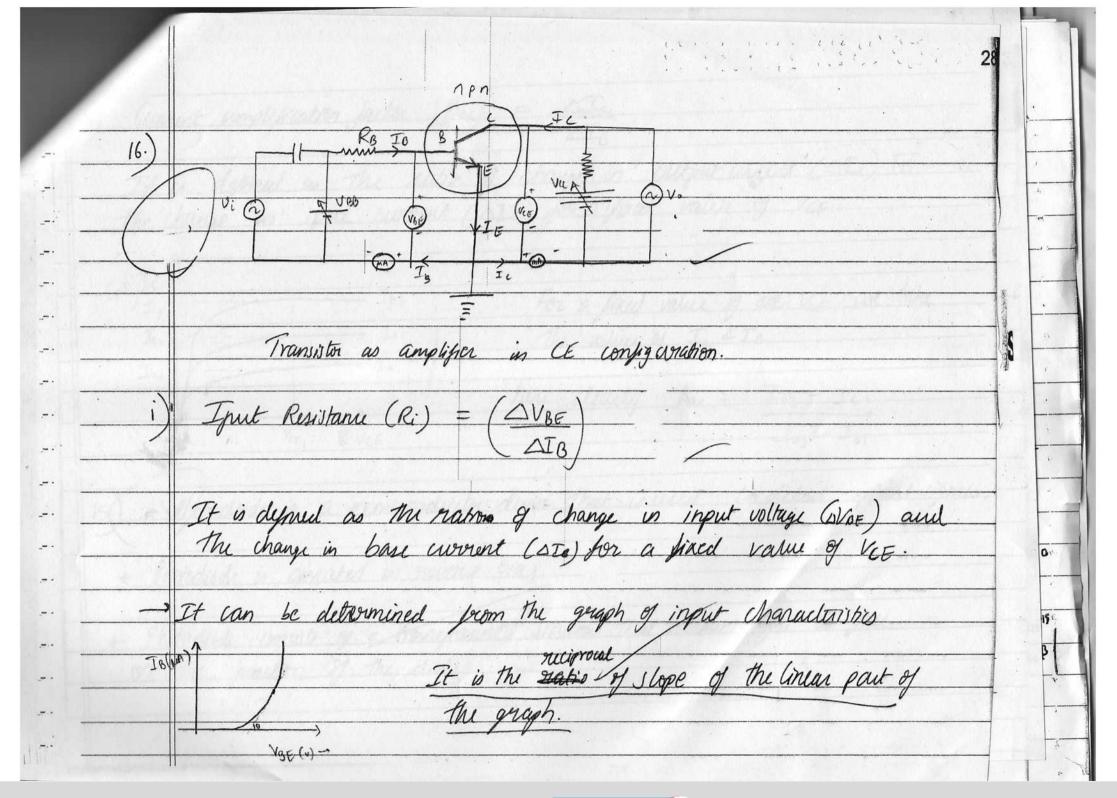
In an LCR circuit	
	X2 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Current = V	
$Cururt = V$ $\overline{\int \mathcal{X}_c - x_i \int_c^2 H R^2}$	
Volc-XV +R	
initially, $\hat{c} = \frac{V}{\chi_i^2 + R^2}$	
1 V2+02	* 4
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· Ke=Xi	
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Current increases	P '
hence brightness also increases	56.
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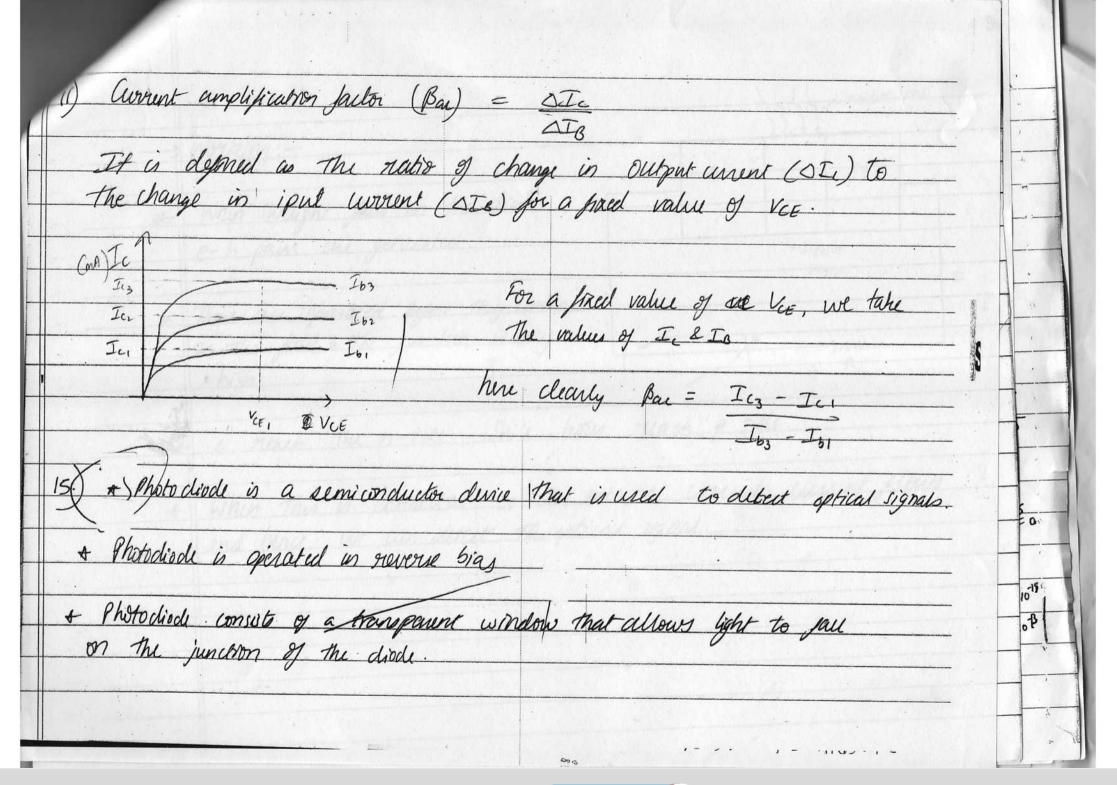




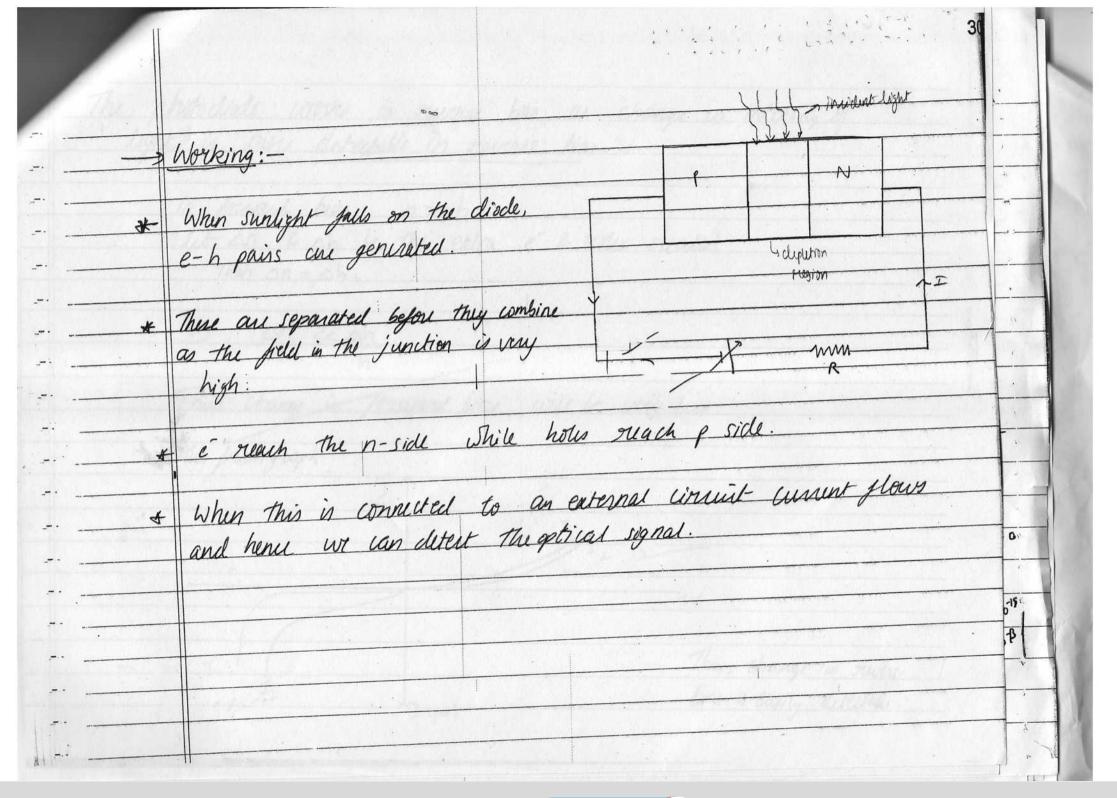


	41
* Therefore, Juguency of reflected and regracted rays is	same
$f = \frac{19}{\lambda} = \frac{3 \times 10^8}{5000 \times 10^{-10}} = \frac{0.6 \times 10^{+15}}{0.6 \times 10^{15}}$ $= 0.6 \times 10^{15}$	
* If wavelength in air is 1, & that in water is 12,	
$\frac{\mu_1}{\mu_2} = \frac{\nu_2}{\nu_1} = \frac{\lambda_2}{\lambda_1}$	
$\frac{\mu_1}{\lambda} = \frac{\lambda_2}{\lambda}$	
$\lambda_2 = 5000 \text{ A}$	4 9 45
ju de la companya della companya del	
While wavelength of refracted may remain same.	pe

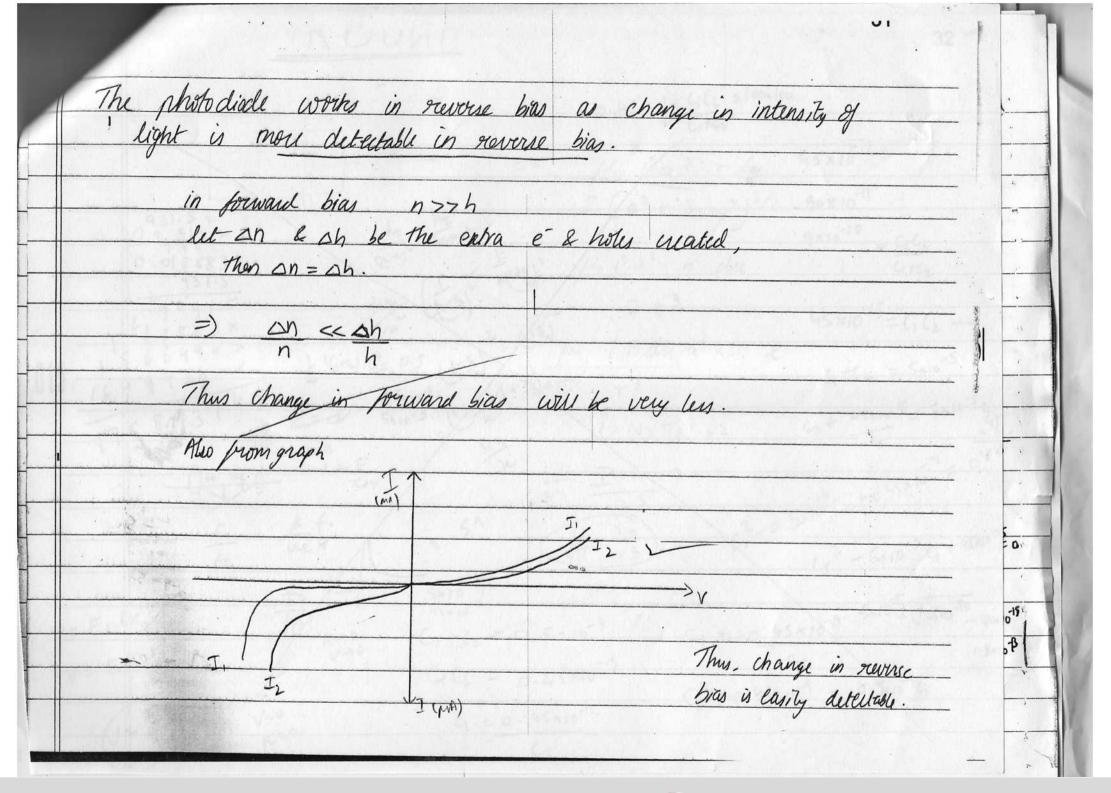




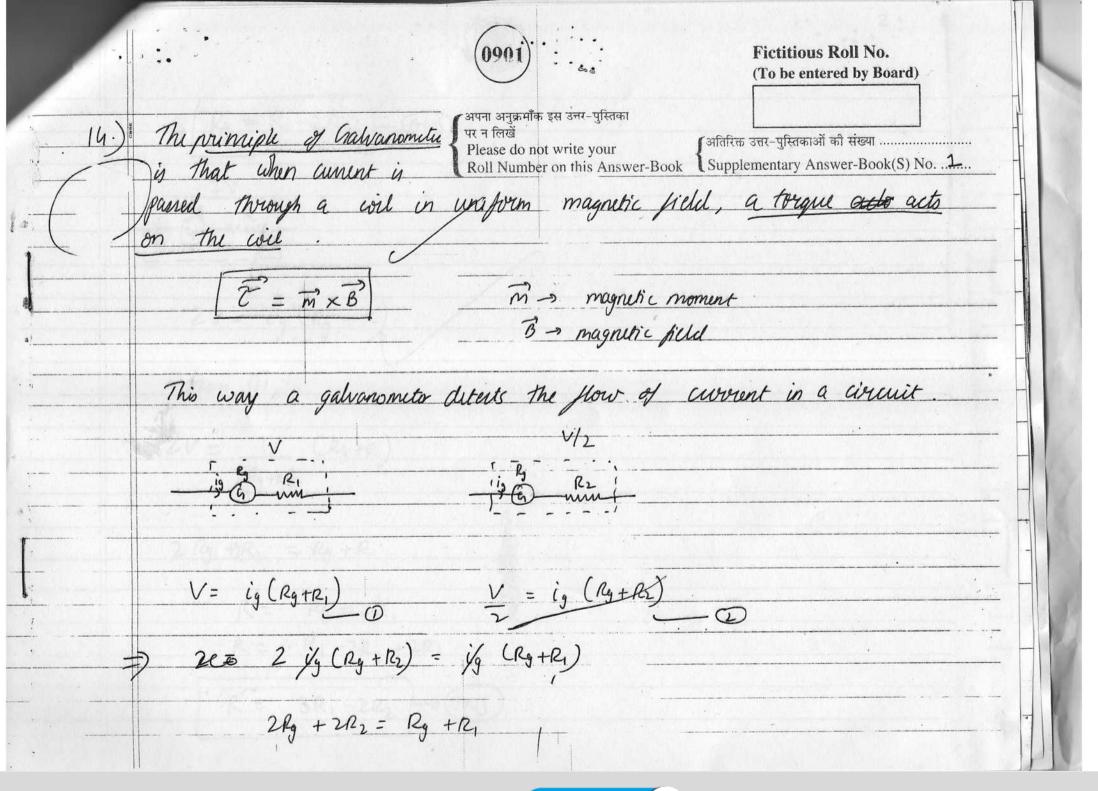


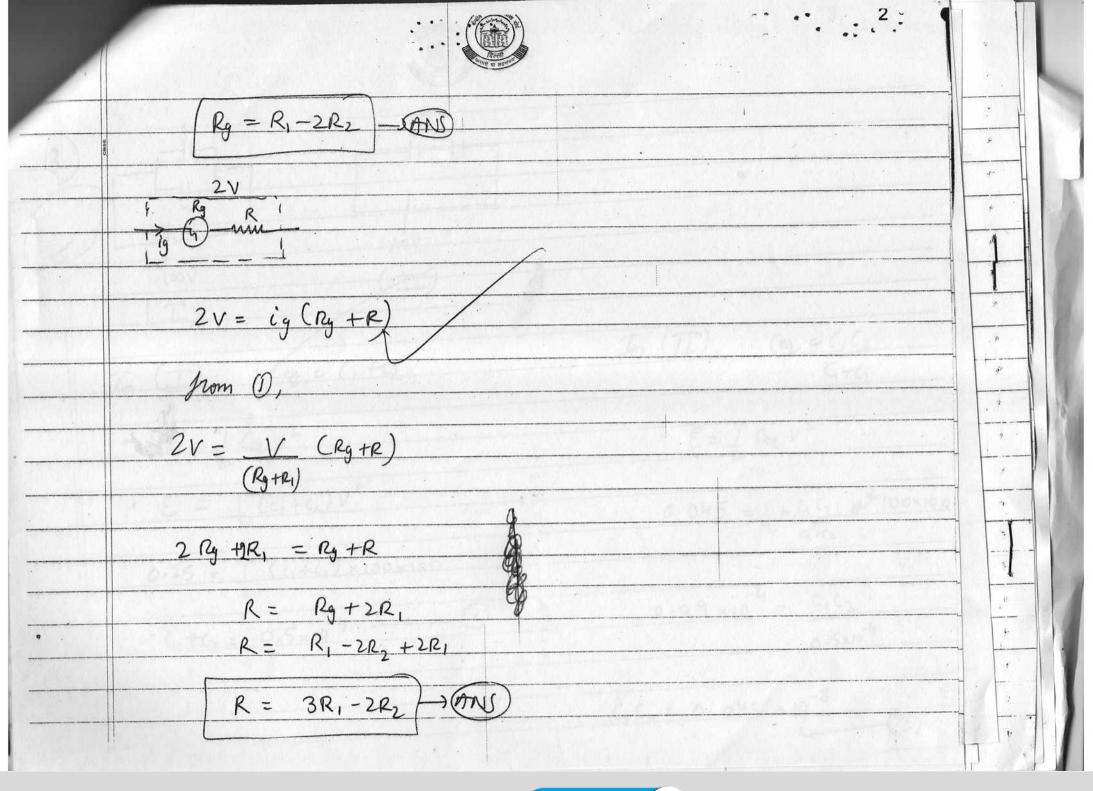






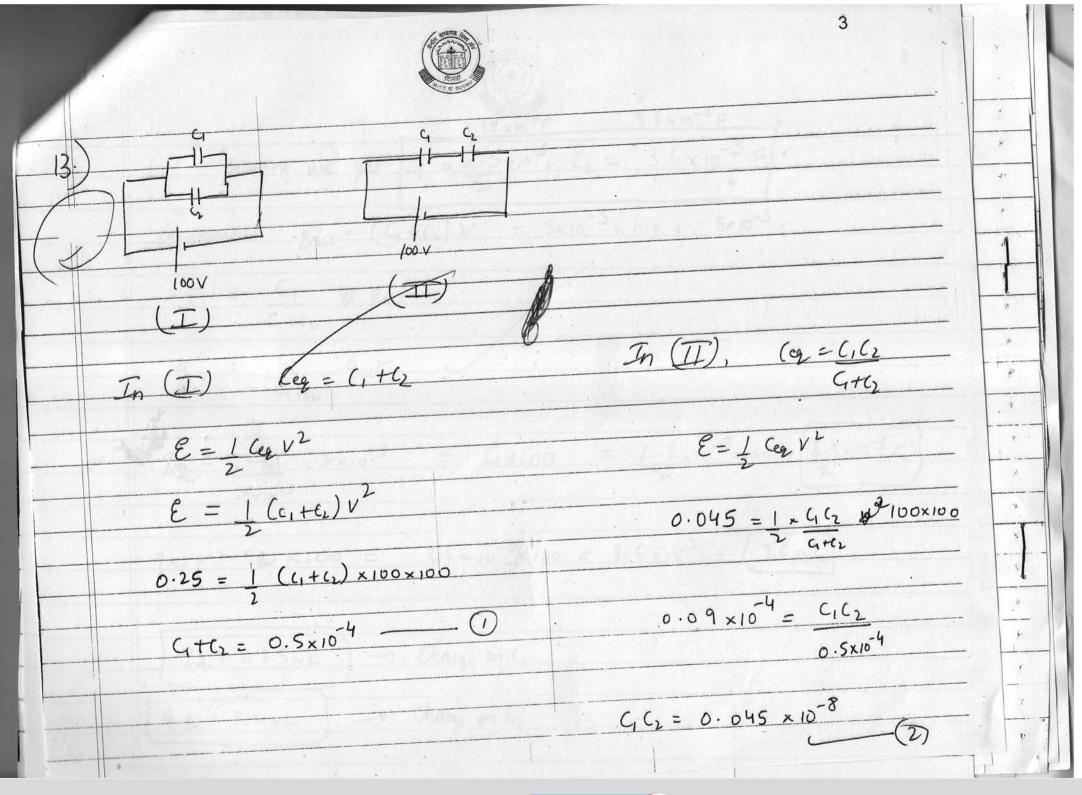




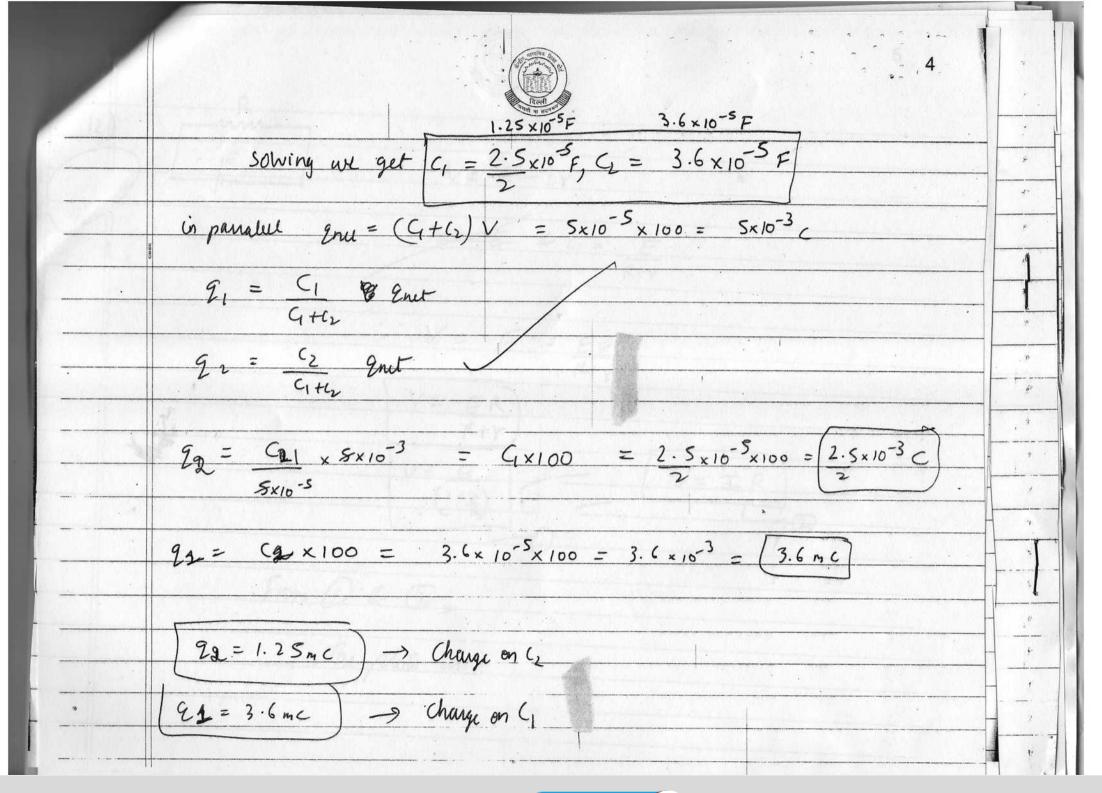




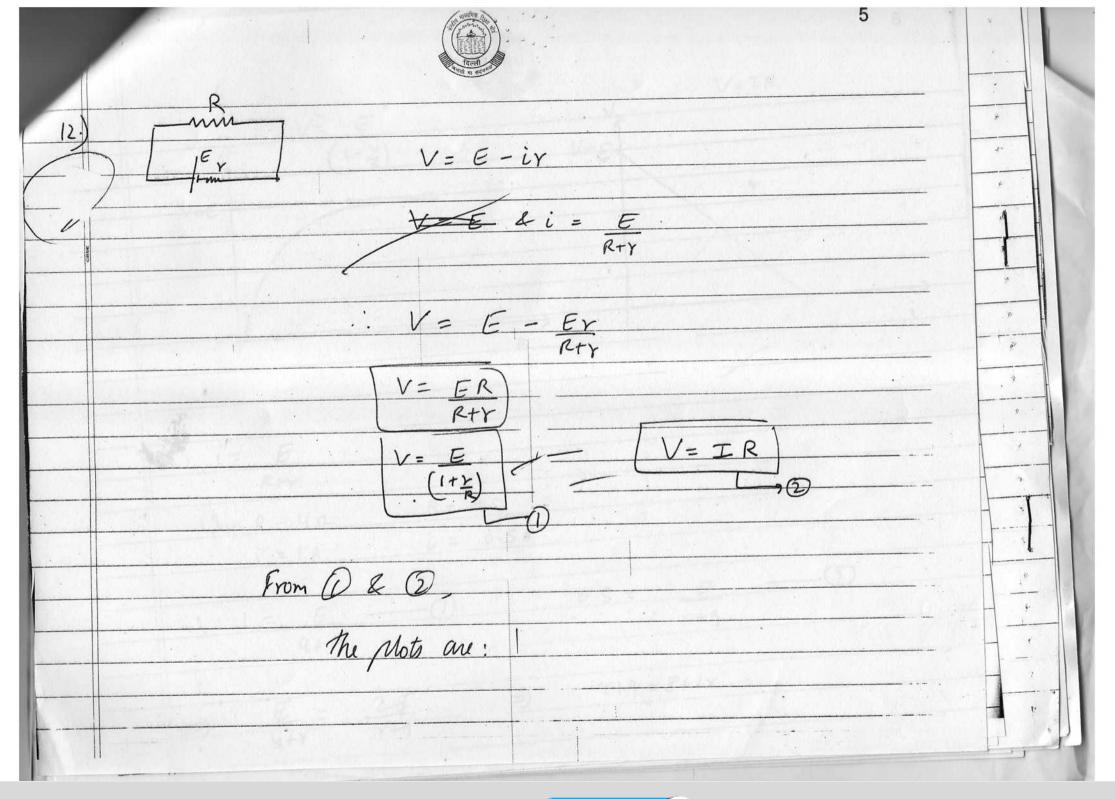




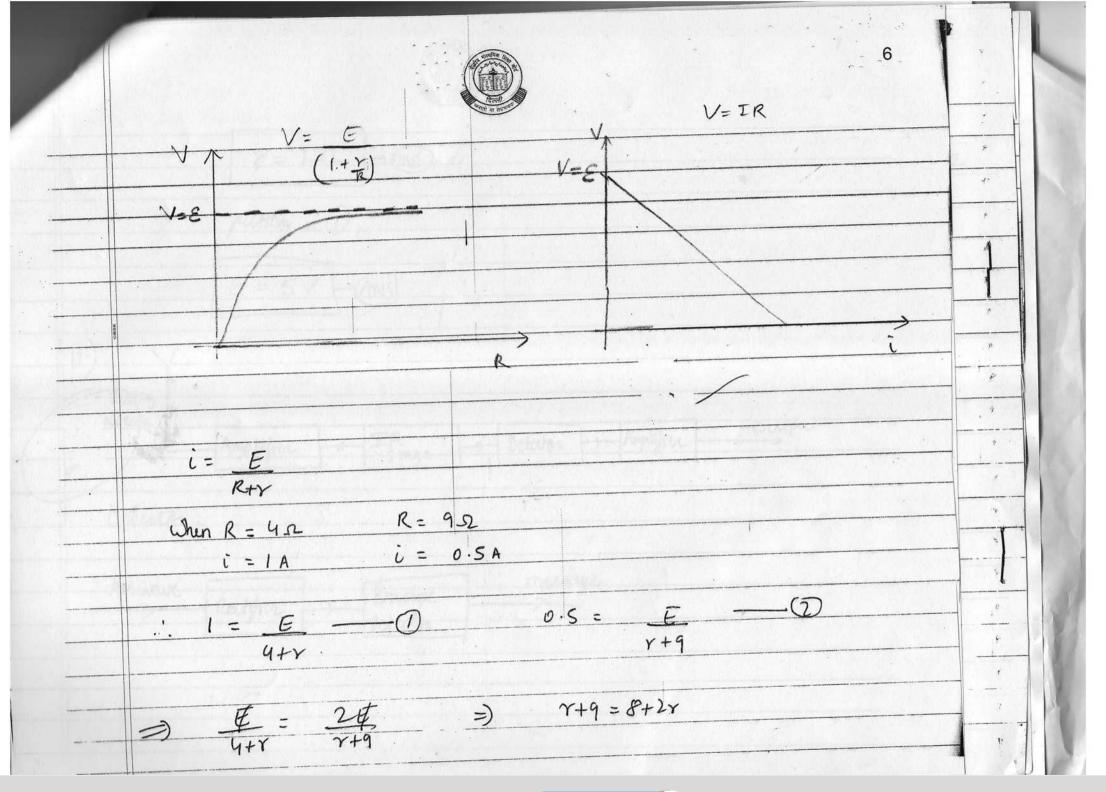




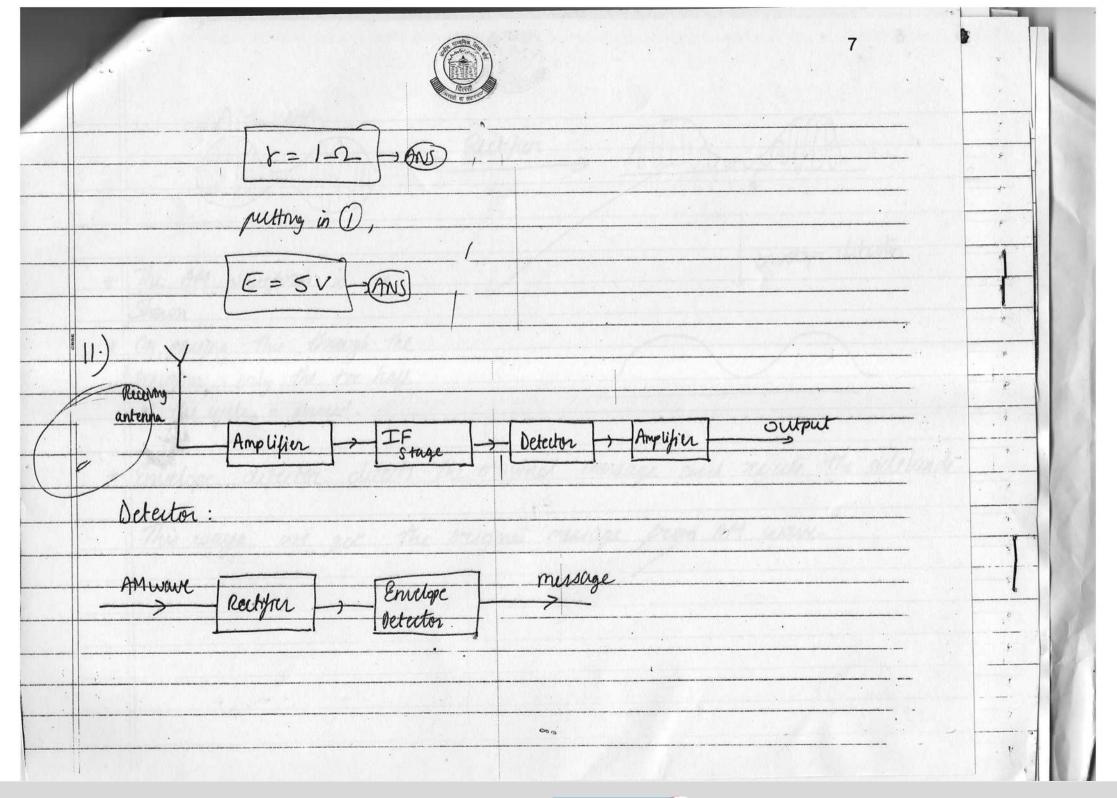




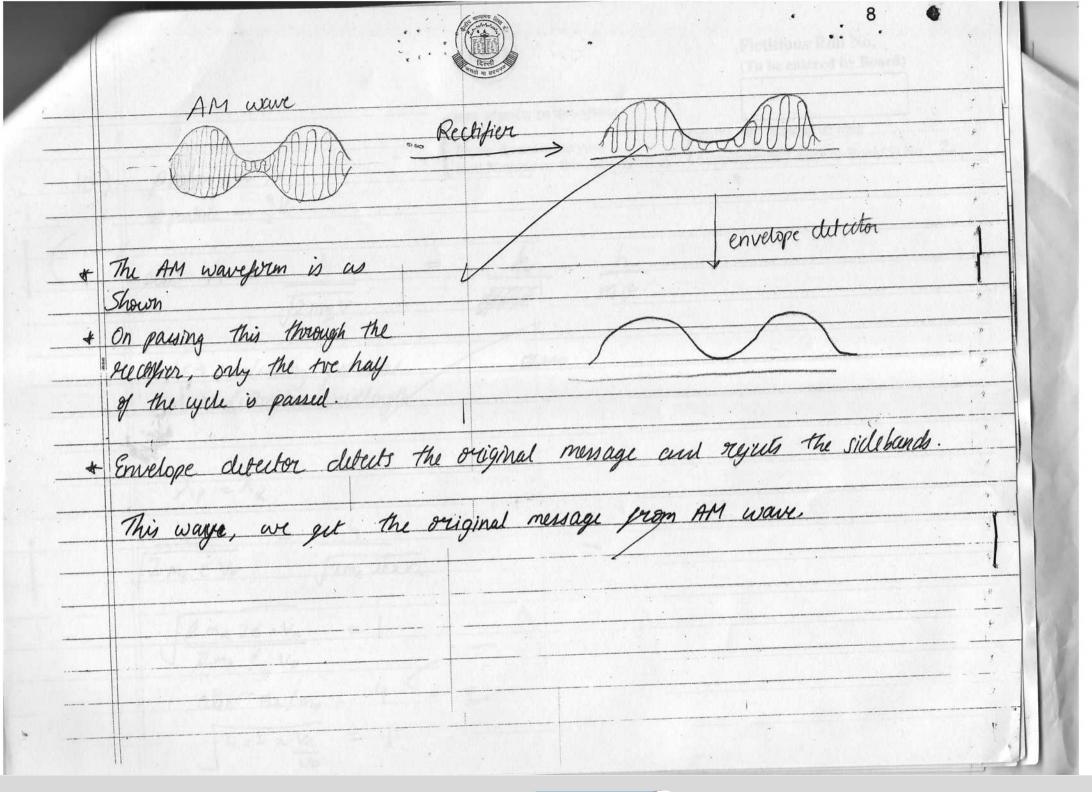




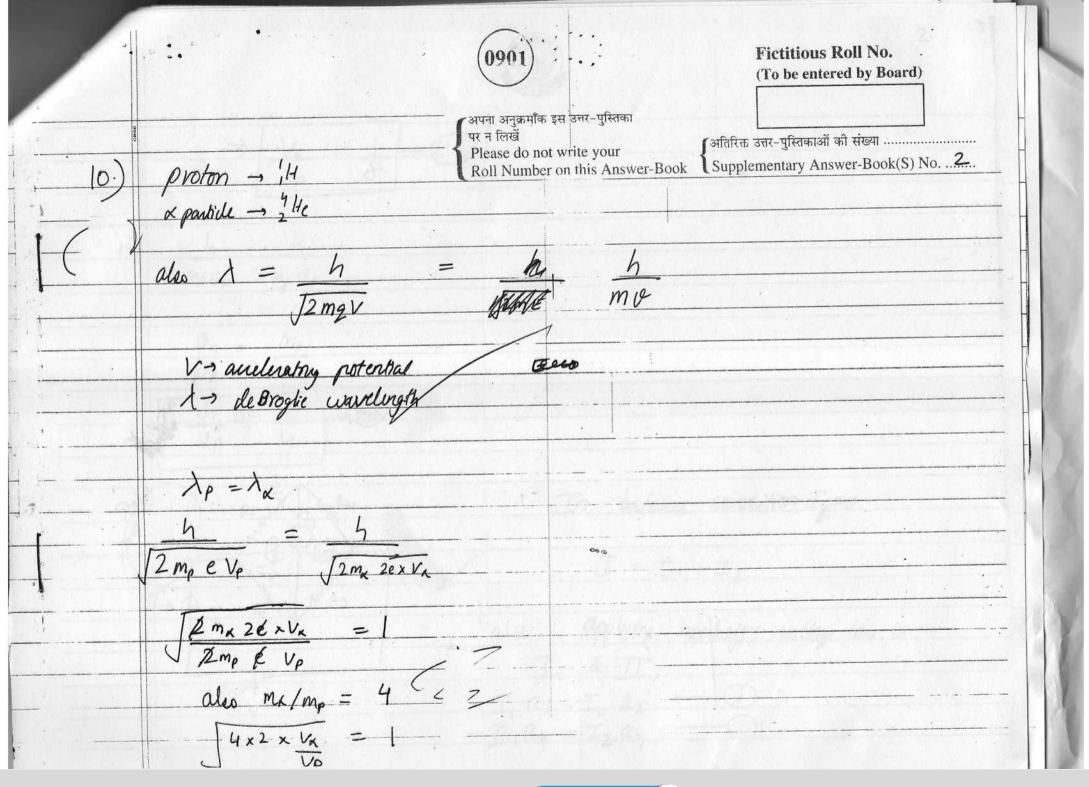








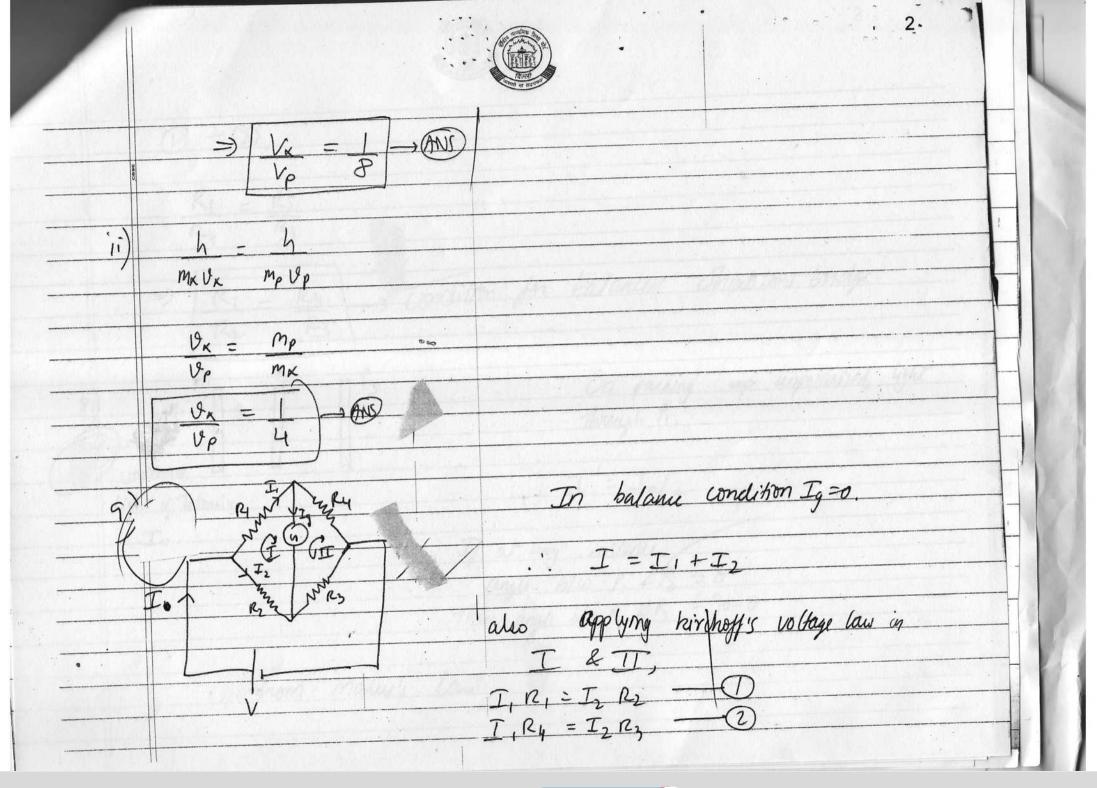




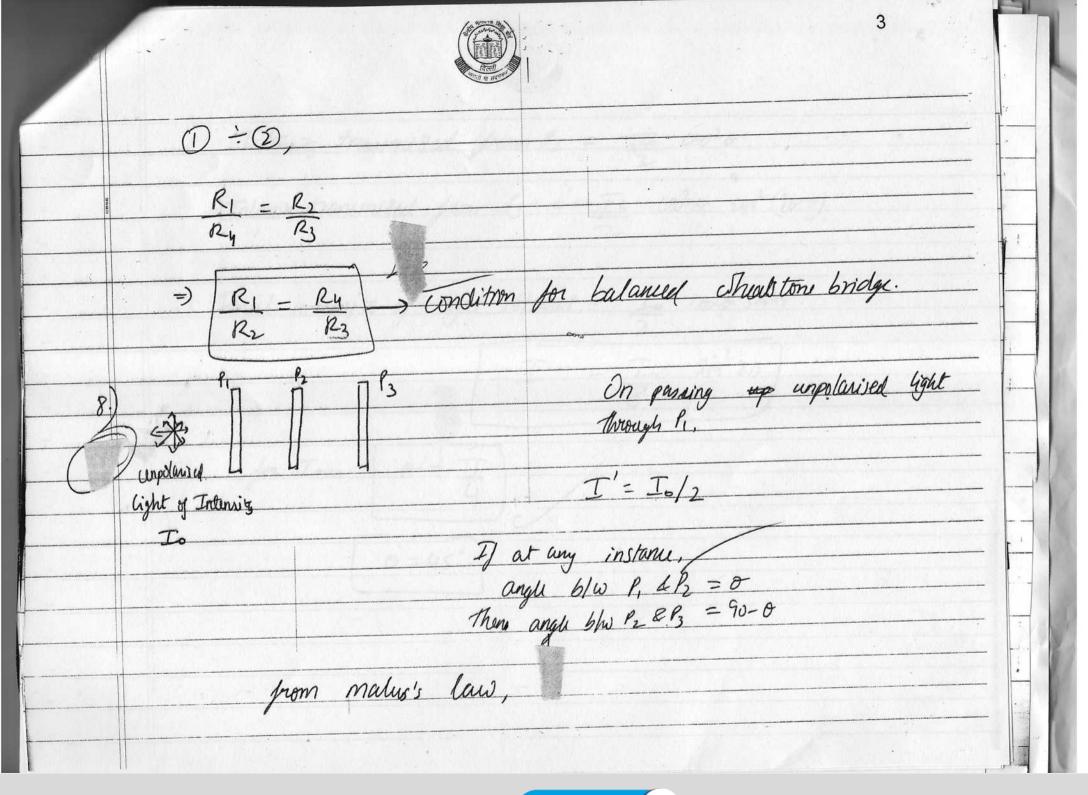
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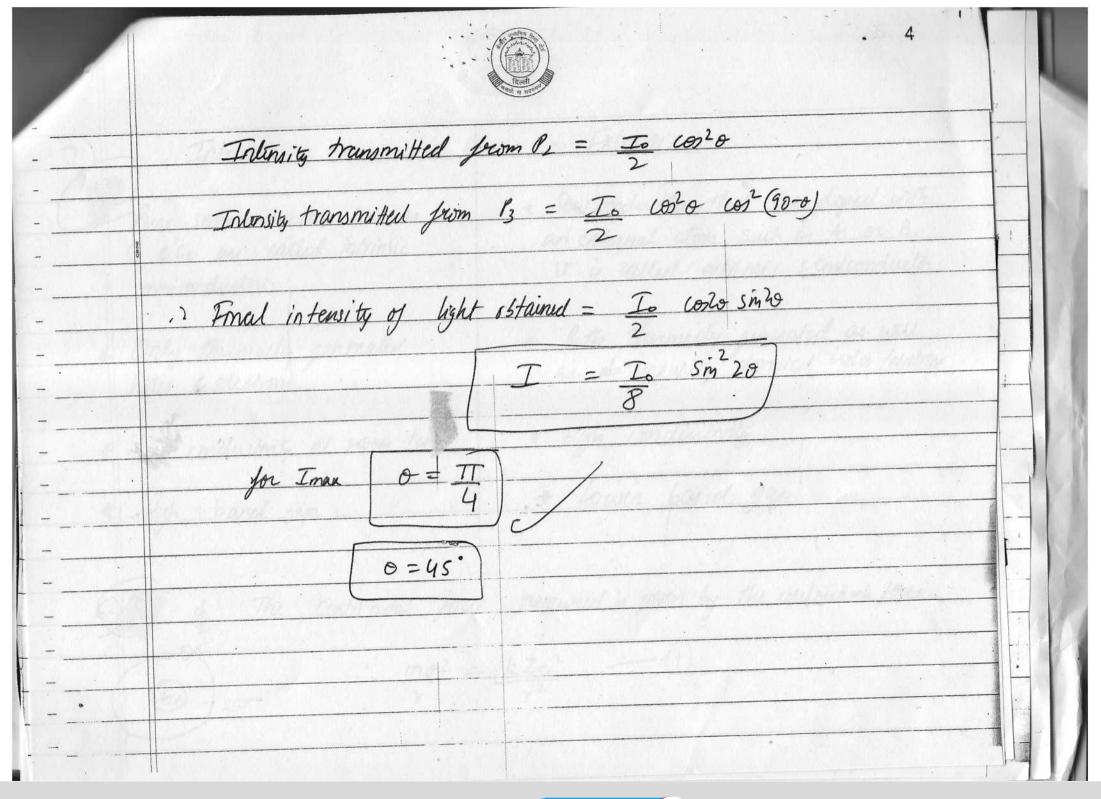














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utory such as * Semi conductors that are disped with und intrinsic an external atom such as As or B, it is called extrinsic semiconductor.
generated & Both thermally generated as well as & impurity donated holes felletrons.
at swom temp * High conductivity.
pap + lower band gap
Contripetal form required is given by the combonish form. $\frac{mv^2 = kZe^2}{r} - 1$

