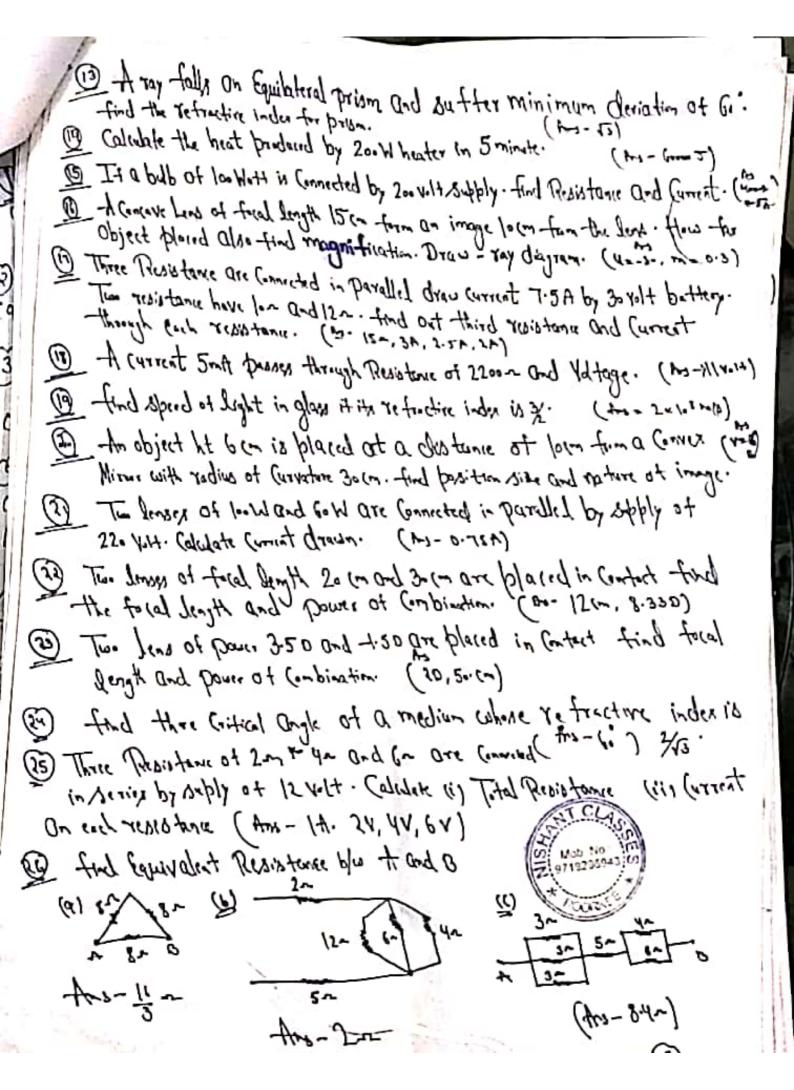
- Physica Intertait Naminion
@ A diverging Lans of total length 15 cm term an image local term lond. (alculate the distance of object term long. (Au > = 30cm)
The stain bridge of gudge of and winging an action of
Thouse only subblied only 750 mis subbly bright from (pr - 5r)
ILL THE PLANTAGE OF THE PROPERTY OF THE PROPER
G A resistance of a wire is Da. Column its new Mesistance it
Ansedle of 3 cm Side placed 25 cm away from a conceve mirror focal longh loom. Find position, side and mature of chappe. To all length of come of a coire is Dec. calculate its new Resistance it (a) length of coire become 2 times (b) length 2 times by Stretching (c) Wine become doubled up by tolding (d) diameter become half (e) diameter become 2 times. (for a) 4 coire (o) 800 (i) 500 (ii) 500
(e) diameter become 2 times. (Ars- allow a) som (1) so with. It
The second was it
V () The first till) Single
is so car. It total youth of one year in Tolan the solar will
(Three Yelistance / La dra o
12 Wht. find potential difference at coch (Resistence. Connected in parallel b) Three Resistance for, 2 r and 30 r are Connected in parallel b) Three Resistance for, 2 r and 30 r are Connected in parallel b) Three Resistance for, 2 r and 30 r are Connected in parallel b) Three Resistance for, 2 r and 30 r are Connected in parallel b) Three Resistance for, 2 r and 30 r are Connected in parallel b) Three Resistance for, 2 r and 30 r are Connected in parallel b)
- at say of right telling at a letion prion angle 18 co. they the
and - gather william of uger for publ. (12)



A wire of Uniform thickness with a resistance of 27 x is Cut note three Equal Pieces and they are prived to paralled find the resistance in parallel Combination. (As - 3m) D What cornect will be required by a look marked 225 with and 4.W? that Vesis tance of this lamp and heat produced in Sminute (tra- o-let, 12656) There are three Resistance lon, 150 and 300. Find the ration (Au-4:39) 3) Atray talk on a prism and suffer minimum deviation of 40: it poison angle is Go. find retractive index for prism. (Sinson 0.7660) The athing person, it angle of minimum deviation is 50 and prism angle is 60 tood retractive index for propose (Ans-1.83) (Ans - 1.83) (32) An object 5 cm side is blaced at the tought of convex legs of -fold least 10 cm. Land position side and water of image. Draw Bey diagram also (-5m, 2.500) (33) It two body of 25 west and bow each rated 220 Volt Committed in Series With Apply of 440 Volt The Calculate Potential Oceans both the bolb. Comment columber any (3) A win of Rosptom 250 toe por in drown out into this wine due to this its length become 3 times that you Presidence. (And - good ELASS 35 tind Equivalent Resistance blu to ad a Annalle otside 4.5 cm is placed at distance of 12 cm from a Consist Miner of field length 15th. tod position, side and mature of image. (Aus - Gen, 2-1 can Virtual) Two lens of pour +3.50 and -4.750 are - placed in contact. - found the tocal genthat comprisation (pra = 8:7) De Two lovers of focal length do con and 50 cm are placed on same area at 20 cm. And Equivalent focal length and power (Mrs - 20 cm, 50) (39) There is a prison of angle co has retarting index to . In case of minimum deviation and (in Angle of deviation line index to . In case of

In a coil the value of Magnetic for decreases from 12 x 100 Weber to Go 1000 Who in another contract contract from dures in coil (Aro-0.6 volt) Majoretic tooled is Teslo. tend Nagretic field at 5 a b mose at anyle 30. It

Majoretic tooled is I Teslo. tend Nagretic force on it. (My - 4x10-10 Newson) 9-2 64 (42) There is a straight for who at length local having to Ampere in it placed Q-3 PH Q-4 F prependicularly in majoratic field of 5 Tula. And Majoratic force on it b/w 7 9-5 F (4) The Current of loAmprox How in a straight Wire two tung Hobertic tung at a bout loca and townit (Trap-2 ton) Q-6 Magnetic field at its (eater. It has less turn. (In 2xxxx Tella) 10/41 ting 9-7 (45) The ter point of a enjoyee person is 80 cm. What is the mature and 54 the bonce of Tone redning to court getect. (two- - red colore pour) (10) The sear part of photometropic Eds is par fing the Notice and Dones of Tens rednished to court getect (you 30 , Contex poor) An electric over of 2KN power noting in operated in a domestic electric circuit 1220 V) that that a current nating of 5A. What Healt do you expect? (five blown) number of 100 N(220 V) bulbs of that can be safely until the circuit? [x = 11] What is the maximum number of 60 N bulbs that can be seen from the main supply of 220 valts if you do not wont to overload a 5A Jule? [18 bulbs] content mating would a suitable five hove? [10 A]

Br. NEWANT GUPTA Er -7895124499 USI An electric lamp of 100 A, a toaster of Huistance So A, and a water thet of Hesistance 500 12 are connected in parallel to a 220 V sowice. what is the Hisistonice of on electric ison connected to the same sowice that takes as much current as all three appliances, and what is the current through it? (7.04A) Quetow can three unistores of muistance 20,30 and 60 be connected to give a total nustotance of (a) 41, (b) 12? (20, 45 and 15) Is what is (a) the highest , and (b) the lowest , total Heristance that can be sewed by the combination of four coils of usistance 41, 121, 121, 124 12 (480, 20) Q5- compute the heat generated while tronsporting 96000 coulombs of charge in own now through a potential difference of sov. (4.8×101) QS An electric ison of Husistance 20 stakes a convent of SA. Calculate the total heat developed in 301. [15000] Que An electric motor takes 5 A from a 220V line . Determine the power of the motor and the energy consumed in 2h. QEAn electric bulb is Hated 220 V and 100 W. When it is of wested on 110V, the power consumed calculate: (25W) OsiWhin a 12V battury is connected across on unknown Hisister, there is a convent of 2.5 m A in the circuit. Find the value of the Hisistonie of the Hisiston. (4800s.) DEA bottery of 9V is connected in surices with Hisistoms of 0.21, 131, 0.41, 0.51 and 121 Hespictively. How much convent would flow through the 12 s. Hisistorie (I= 0.67A) DE HOW many 176 A Hisistoris in parallel are neguined to covery 5A De several electric bulbs designed to be used on a 1204 electric supply line are nated 10 weach. How many bulbs can be

connected in parallel with each other across the two wires

of 220V line if the maximum allowable convent is 5A?

(110 bulbs)

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rai Moletin [MTI] Bank D- AIRMART CLOTA MY -- - 1892 15 AAAA Two lomps , one Hated loow at 220 V and the other sow at 22 the connected in parallel to electric mains supply what were IT = 0.7270 the line if the supply voltage 18220V? (I = 0.727 A OH 0.73 A) DE Which uses more energy to 250W TV set in the ex a 1200W toaster in lomin? (F = 0.20 kwh) OG An electric heater of resistance 8st drown 15A from the survice mains far 12 howrs . colledate the rate at which hea is developed in the heater. (P= 1800W) gerfind the focal length of a convex mirror whose radius of CLUN voture is 32 cm. (+=16 cm) Que Find the power of a concave sens of focal length 2m 1-0.51 Os An object Sim in length is held 25 im away from a converging lens of focal length loim. Draw the ray diagram and the position were and nature of the image formed. (16.67, -3.3cm) Que A concave lens of focal length 15cm forms an image locm from the lens. How fax is the object from the lens? Duaw the нач diagnam. lu=-30cm) QSI An object 5.0 cm in length is placed at a distance of 20cm is front of a convex milurar of readlus of curvature 30cm. Find the position of the image its nature and size. (2-1em) QI. An object of size 7.0 cm is placed at 27 cm in front of a concave mirror of focal length 18cm. At what distance from the mirror should a sween be placed so that a sharp focussed image can be obtained? Find the size and nature of the image. [14.0cm] Find the focal length of a lens of power, -2.00 . what type of lens is this? (f = -50cm) DEA doctor has prescribed a connective lens of power +1.50. Find the focal length of the lens. To the preseribed lens diverging an converging? (+=+66.7cm) 13 The filament of alomp is soim from a then and a converging in forms on image of it on a sween, magnified three times. and the local lineth of the lens (20's) Scanned by CamScanner