	Date/		C <sup>D</sup> 7
		6	
	Margen	100	
	Charged		75:-
	An objects		
	electoically,	Classical to	be stern
	electrically acquired the Light Object	criarged, if	1+ has
	light shoot	property	of attraction
_	ex:-		
_			
_	Whon drey pla	stic combi	is sup
_			
_	both get ch	arged up	and an all
_	both get ch	er	and can attract
	Real		
		metallic/	Floring
_	Material	Non matallic	Electrical backerty
_	plastic comb	Non mattalic	Gret charged up on
	mark	1	they all abouted

		1000	
	Material	Metallic/ Non matallic	Electrical backerty
-	plastic comb	Non matalic	Gret charged up on
١	metal comb	metallic	Gret charged up on Tubbing Does not get charged up on Tubbing
	drinking (blostic) stoaw	Von mattalic	Gets changed up on
	Ebonite rod	Non mattalia	act charged up on rubbing on the charged up on
	Gloss rod		Does not get charged
A	metal pen	me-talli c	mp on supping

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ofted ching coch o the ant challen as they are by Mars one section? one charge are different as they are The strong to stad strongs tout gues 16 box sind and bas soon toth eyes to macono la sit de galocono so separ each other as according to the they are ofterthing each other as and pearly fort sor they and box broknow cull resident sodies Lant 192 Well An, Dat walf babardand 8 , set noon conothe cont and or prisd, bannell no Changed chante 20d SNK cloth, that MRZ www.goiv bos of a o the soa signamenting as which charged by subling Which is charged by subbing box Himod and bright & par stars and puddens ACTIVITY= 3 (Repea) HCTIVITY=3 (+DEXTHANDA + south sprand starts (though b) stillad to 70 de 2 /2004) 24 (2008) 24 (7 (1 eponite 209 6F 720412 LOOF Charges are always produced in paise 3) ex:-copter, wite! \$ 65. - \$100 Hic 1 grows of Negative change wat then most squared Spray saitized (1 groot of Abreago Thrown though of sounds maken at which allows electric do not allow electric are turn skinds of change asaul and = Lorstant and sough boroton/andedule Hind of charges:eof Input? Josephsal

'on abed Page No. · 400 group you Heronau an proposition two the toolde +++++++ To ssavard -: we 42mpul Rg Builbroud (8 changed chauging by conduction Potros si todo papago o 4. m. Todos porogo to sono de porogo podos por sono de bulbroyo do sono de contra de porogo de sono de contra de +394000 Changing by conductor or Buigans Ra Buibnoys on as further. -:-100/go uo 6 note botoluen1mouds approprie 1-03601

	Nac and a second		Date/ _/	
	Something to know	B)	White true or folse	
	Fill in the Blanks.	1	The changes against by a glass mad, and the silk choth with which it is subbed	
· · · · · · · · · · · · · · · · · · ·	There are two types of changes in		are equal and of the same sign False	7
2)	Like changes' sepel each other and unlike charges attract each other	2)	During changing by conduction, the changed object shares its changed with the unchanged object. Tour	
	The material that normally do not	2	A charged body loses it charges is we touch it with our hand True	
	electric current to flow through them with ease, one known as		Lightning is a natural electrical discharge phenomenon. True	
y)	Lightning and thunder occur together	5	we do not need any special device to protect tall britiding from lightning.	_
5)	The Scientist, who proved that lightning is reflectical in nature, we Benjamin granklin	4	False	_
				_
	Page No.		Page No.	]

M. Carrie

			Duto/ /
C	Tick (V) the correct option.	5)	During Changing (i) by conduction, and (ii)
	A charge plastic comb (comb B) is brought		by Induction the changes on the Changing
×	rean another similarly charged and suspended plantic comb (comb A) Then	Z	decrease in the 1st case but someting unchanged in the 2nd case.
	comb A would - Shen comb B	6)	During algoring, we can have an
01	A statent is provided with 4 object.	=	either between 2 Opposite Changed
Á.	A plastic comb B: A copper sod  A suppor ballon D: A most wooden cloth		charged cloud and the ground
~-,~-,~	The object, that cannot be easily changed		
~~ <u>=</u>	by subbing is the object labelled as-		
. 3	) Two changed object, are brought close		
h	to each other. The 2 object would-		
·			
	During Charging, by Industran it is - the charged object, as well as the		
*	exity that share their the charges,		
	Page No.		Page No.

	3			
11/13/203			Date / /	Ö
y D	Answer the following question is brigg	3)	State the main	difference between
	A glass god is subbed against a		insulators.	Q J J J J D D D D D D D D D D D D D D D
)	CILL CLOTH - WHICH BUILTING		/	
A Committee of the Comm	changed in this process?		conductors	Insultor
		l)	Substance material	1) Substance [ material
	Both when a glass tod a trebbed			do not allow electric
X-2,2-2,	against a silk do the booth the		charges to pass	charges to pass
	object get changed up of the		through them	through them.
·	glass and negetive changed is		with ease	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	produced on sitte cloth.	2	ex:-copper invise.	2) ex plostic, glass,
-,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Iron, Zine	wood of original
2)	Nome two object (a) that can be		etc	s and et
->	changed by subbing of that do not	,		
	get changed on subbing.	7	Name the derice	used for protecting
- ()	that can be changed by subbing area.		toll building of	nom lightning strikes
home or the second	(i) Plastic comb	11.2	2 griffing Conducte	102 boo tecting
			ton pinesaling in	in lightning Stricks
(1)	I that con't be changed by subbing over	5,	Give the mean	ing of the term
(1)	metal wise		'earthing!	
(i)	metal comb et	=	the process of	transfer of charge
			to the Roots.	the earth
	Page No.			Page No.

Page No. Page No. both north sepel coch other due shoop majoriais si pay meets syrong to go there is source. Object that have boom out best estable northerno most explosed si to said no spraw what sut tat = 0) If a change dunking prince of the 3) Describe a simple capering to show Would BASENVE I'M GOCK COK DAL WALL the bit of pobous an rocket friends in (d) bagrad) The combination had not obtact plainiz (a) si tath, crosts o'thold Like a charged unchorged object. Descriptions morning all stones si crosts strong bisant brown H Therefore the combination be hore of the common of the stander warmed businessed of Hamps (7 get changed up worth equal and Hed hat toolds to out a notes room noto puo spays pont to Charges are always bischuced to foir. are regard, tall hose and ab fully (c Arrys 200 god to brown ded the wandow and down 1) One is solon inside a contar (+obreage reprimis at ofthe sepelled away from 1+(due = too nothersand out = world trish got obtacted through toriets british a grimp plants stows the plants strang Lought outside in the open breader undrang more dipused 5) 24 8: 00/4 UDD WASHOUT O SI curet & stand begrado of (d) that werkeno such out mouse toil Asprodo Holimiso of

= We can say that a charged object = If two charged objects (opposite oftracts an unchanged object by Change) are simultaneously brought first and changing it through induction news tiny pieces of paper, the because if a charged object is combination does not aftered tem. brought near an uncharged object, + Therefore we can say that the induces opposite charge in the tope charge on a paix of object is unchanged object. (Changes get separated) 18) why does a charged object lose its charge when touched? = A charge object lose it charge when touch pd that the object is carthed Therefore the earth acts as the solution or sink that is responsible for cronging on object State the sign of the charge acquired by by induction an object when it is charged, by a positively charged rod, through (a) Conduction (b) induction . Give the reason jou your 5) Can we say that a charged object attracts on uneranged object by statement. first changing it through induction? Page No. Explain your answer-

	Discussion of the Control of the Con		Date/	Ġ
=	a) when an uncharged object is brought		is dep down into the	e corta
	I'm direct physical contact (conduction)		and not through the	
	with a positively charged sod, it get		staucture is , therefore so	wed from
	a similar charge (positione), since it shows	_	the damaging effect of	Lightning
	it charges due to bysical contact		09	- J
			For Laws Stis	2
	b) In induction, if a positive charged		Extog questio	
	god is brought thear an uncharged			
	object it gets opposite charges. The	QI	White the advantages of	liohinin .
	noppers because the the (+ve) painty	0	Wirite the advantages of	9 7 7 9
	change in duces (-ve) (negative) changes		Advantage of lichning	ave: -
	en it and the for end changes are		Han Advantages of lighning	
	sent to courth.	1)	the Lightning con also yes	esult in the
			formation of ozone from or	eusen which
:	7) Is it important to have a very good		protect use from utra	violet &
/	contact between the lower end of a		radiation of sun	,
	lightning conductor and the earth?			
	So, why?	2)	Lighning convert nitrog	en into it
	. 01	/	oxide which get diss	olved in water
	= The year thick metal staucture		Come down with rain . Th	is bell blants
	of the lightning conductor provide	·\\	to get their much need	niturogenous
	a safe and casy passage into the	ve	compound.	0 .00
	flawing electric changes, as and when		•	
	lightning does strike. The lightning			6.77
	charge therefore flow down this all	gh-		110
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Date \_\_\_/\_\_\_\_ what is electroscope? A simple device which detect charge and a how much famment charge is in object