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Time	Quarterly Examination 2017-2016  Subject - Physics Glass - XII A	
Que:	1 Choose the	
	Choose the correct alternatives:	
	infi-	M. 75 S
	i newton/metre, guass or oersted	io]
	4. The resistance of shunt required to send 10% current through a	te <sup>2</sup> 1
	4. The resistance of shunt required to send 10% current through the moving coil	
0	5.On reducing the separation between two magnetic poles to half the force acting between them will become: [ half, twice, one-fourth, four time	ohm j
Que:	•	٤
	1. The S.I. unit of pole strength is	
Que:3	2. The resistance of an Ideal volunteer of the resistance will be  3. The dimensional formula of specific resistance will be  4. The condensor's each of capacity 3 H f are joined in series its equivalent capacity will be  5. The potential of earth is assumed to be	· •
Que:4	Answer in one word :	5
	<ol> <li>1. What is meant by Quantisation of charge?</li> <li>2. Name an instrument based on wheat stone bridge principle?</li> <li>3. On which electrode the polarasation in a simple voltaic cell?</li> <li>4. Write expressions of Lorentz force?</li> <li>Write the relationship between the potential difference and intensity of electric field.</li> <li>6. Write the relationship between the potential difference and intensity of electric field.</li> </ol>	2
Que:5	What is thermister? write its one use.	2
	Secondary cell are superior over the primary cell? why	2
Que:7	Define potential and potential difference? write their S.I. unit? "Or"  Write the S.I. unit and dimensional formula of electric dipale moment?  "Or"	2
	Write the fleming left hand rule?	3
Que:9	Obtain expression for the intensity of electric field due to a point charge at "Or" distance r form it?  Obtain expression for the equivalent capacity at three condenser connected in parallel	. 1

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Question 10	What is dirft velocity? establish a relationship between the dirft velocity and "Or"	I the current.	3
Que:11	Differentiate between a lead acculator and Ni-Fe cello. "Of Differentiate between voltmeter and potentiometer?"	r"	I
2:12	Write the Biot - sauart law and derive expression. "On What due mean by magnetic storm?	r"	
Que	Find out magnetic field intensity in Eroad side on position? "Officite the difference between ammeter and voltmeter?	r"	
Que:14	Find out of magnetic field at a point on the axis of current carrying circular	coil ?	
	Drive the magnetic field at the centre of a current carrying circular coil ?	r"	4
Que:15			4
Que:16	Drive expression of potential at a point due to a charged point?	r"	5
Que:17	State and proved that Gauss theorm?  Find out the capacity of cylindrical condenser?	r"	4
Que:18	Establish the necessary formula for the torque acting on an electric dipole i electric field done in this process?	in a uniform "Or"	5
	escribe van-de Graff generator under the following points:  i) Construction, ii) labeled diagram, iii) principle, iv) working and	đ use.	
Que:19	Establish ohm's law on the basis of free electron model in metals ?	"Or"	5
	Draw circuit diagram and obtain condition to get maximum current in the exmixed combination. Also derive and expression for the maximum current.	sternal vesistance	in
Que:20	Describe moving coil galvanometer under following for the current:	rent. "Or"	5
	i)construction, ii) diagram and iii)  Offain expression for the intensity of magnetic field at a point situated at some either pole of Bar magnet?		

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