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Multiple Choice Question- 1 An electric field can deflect-								
	A X-rays	B Neutron	C alpha-particle	D gamma rays.				
2 A point charge q is placed in an electric field of intensity E. The force exerted on charge will be								
	A qE	B q/E	C E/q	D none				
3 The unit of electric field intensity is-								
	A C-m	B N/C	C V/m	D J/C				
4 The value of electron volt is:								
	A 2x10^-18J	B 1.5x10^-19J	C 1.6x10^-19 J	D None.				
5 The potential on the surface of a hollow metallic sphere of radius 50 m is 50 V. The potential at the centre of sphere will be:								
	A 10 V	B 50 V	C 250 V	D 0 V				
6 Capacity of a spherical conductor is 1 micro farad, its radius will be:								
	A 1.11 m	B 10 m	C 9 km	D 1.11 cm				
7 64 identical drops each of capacitance 5 micro farad combine to form a big drop. The capacitance of big drop is:								
	A 4 micro fara	d B 25 micro	farad C 20 micro	farad D none				
8 In current electricity, Ohm's is obeyed by all:								

A Solids	B Metals	C Liquids	D Gases.					
9 With rise in temperature resistivity of a semiconductor :								
A increases	B decreases	C remains cor	nst. D none.					
10 n equal resistors are first connected in series and then connected in parallel. The ratio of the maximum to minimum resistance will be:								
A 1/n	Bn	C 1/n^2	D n^2					
11 An electron is revolving in a circular orbit at the speed of 6x10^15 round per second. Electric current in the loop will be:								
A 0.96 mA	B 0.96 micro-A	C 28.8 A	D none					
12 A telivision of 200 watt is used for 4 hours. How many units of electricity will be used:								
A 50	B 20 C 0	.8	D none					
13 On the conservation of which quantity is Kirchhoff's second law is based:								
A charge	B momentum C	energy	D mass.					
14 Wb/m^2 is the unit of which physical quantity:								
A pole streng	th B magnetic fie	ld C absolute p	permeability D none					
15 Which of the following is not a vector quantity:								
A dipole moment B current element C electric flux D Lorentz force								
16 Which of the following is not a scalar?								
A electric current B electron mobility C current density D electric potential								
17 The mean value of a. c. for a complete cycle is								
A 2 x it's peak	value B 2 ÷ its	peak value C	Zero D infinity					

18 An instrument used to measure a very small current is called									
A ammeter	B potentiome	eter C g	alvanometer	D voltmeter					
19 In Lenz's law, there is conservation of									
A charge B momentum		C e	nergy	D current					
20 The working of generator is based on principle of									
A heating effect o	f current	B ma	B magnetic effect of current						
C chemical effect of current D electromagnetic induction									
21 The power factor varies between									
A 2 and 2.5	B 3.5 to 5	C 0 to 1	D 1 To 2						
22 A 100 mH coil carries a current of 1 A. Energy stored in the form of magnetic field is									
A 0.5 J	B 1 J	C 0.05 J	D 0.1 J						
23 Transformer is based on the principle of									
A self induction	B mutual induction	on C edd	y currents	D none of these					
24 Core of transformer is made up of									
A soft iron	B steel	C iron	D alnic	0					
25 The S I unit of magnetic flux is									
A weber	B oersted	C tesla	a D gaus	S					

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