CLASS10-ELECTRICITY-MODULE-1

Work sheet -1

1 The electric resistance of insulators is

(a)	High	(b) low	(c) zero		(d) infinitely hig	gh	
2. Wh	ich of the foll	lowing is 1	not correctl	y ma	atched?		
(a) — † - : A b) — . : A (c) — (•) — : O	resistor pen plug key					
(-	.,						
(a) Cha	lomb is the SI arge ential differen		(b) currer (d) resistar				
4. Elec	etric pressure d	lifference i	s also know	n as			
(a) Re	esistance (b) p	power (c)	Electric po	tenti	al difference (d	d) energy	
from g					nd that 500 electron glass rod and s		
(a) Po	ositive, positiv	e (b) nega	ative, positiv	ve	(c) positive, neg	gative	
(d) neg	gative, negativ	e					
6. In al	bove question	magnitude	of charge in	n coı	ılomb on glass r	od will be:	
(a) 8.0	×10 ⁻¹⁹	(b) 80.	0×10 ⁻¹⁹	(c)	8.0×10 ⁻¹⁷	(d) 80.0×10 ⁻¹⁷	
	aviour of meta und electrons			_	oresence of:) inner electrons	(d) protons	
8. A metallic conductor has loosely bound electrons called free electrons. The metallic conductor is: (a) negatively charged (b) positively charged (c) neutral (d) Either positively charged or negatively charged							

9 Name the pl	hysical quantity	whose SI uni	t is Volt-Coulor	nb:				
(a) Work	(b) potent	ial	(c) current	(d) charge				
10. Electric w	vires are made u	ıp of	but they are	covered with				
(a) Conductor	rs ,Insulators ((b) Insulators	, conductors					
(c) Insulator	(c) Insulators, Insulators (d) conductors, conductors							
11. Which of	11. Which of the following statements is true regarding voltmeter and ammeter?							
(a) Voltmeter is always connected in series								
(b) Ammeter is always connected in series								
(c) Ammeter is always connected in parallel								
(d) Voltmeter and ammeter can be connected anywhere in a circuit								
12. Why a battery or a cell is connected in a circuit?								
(a) To measure current (b) To maintain potential difference								
(c) to measure voltage (d) to oppose current								
13. For which of the following physical quantities "ampere second" can be a unit								
(a) current	(b) charge (c) potential diff	ference (d) wor	rk done				
14 Two points A and B are at potentials V ₁ and V ₂ with V ₁ > V ₂ . If they are connected by a wire, the direction of flow of current and electrons will be (a) Current from A to B and electrons from B to A (b) Current from B to A and electrons from B to A (c) Current from B to A and electrons from A to B (d) Current from A to B and electrons from A to B								
15. Which of	the following re	epresents elec	tric potential dif	ference?				
(a) $\frac{Work\ do}{Current\ x}$	ne time	(b) work do	one x charge					
(c) $\frac{Work}{Cu}$	lone x time irrent	(d) work do	one x charge x ti	me				

(a) zero	(b) low	(c) high	(d) infinitely	y high		
		_			bulb. Number of n 16 seconds would l	be
(a) 10^{20}		(b) 10^{16}	(c) 10	18	(d) 10^{23}	
18. The po	otential diff	erence betwe	een two points	s in a circu	uit is measured by	
(a) Amme	eter (b) Vo	oltmeter (c	e) Rheostat ((d) Cell		
19 On whi marked	ch of the fo	ollowing elec	etrical compo	nents + sig	gn and – sign are not	
(a) Amme	ter (b) Vo	ltmeter (c)) Resistor (d) Cell		
20. When to	a person co	ombs his hair	, static electri	city is sor	netimes generated du	e
(a) Friction	n between	comb and ha	ir transfers ele	ectrons		
(b) Inducti	ion between	n comb and l	nair			
(c) Free el	ectrons pre	sent in comb)			
(d) None of	of the above	e				
Acknowle	dgement					
1) Reference	e: NCERT So	cience Text Bo	ok, Ncert Exem	plar and Go	ogle web page	
2) Diagrams web page	s, etc are take	n from NCER'	Γ Science Text	Book, Ncert	Exemplar and Google	

16. The resistance of an ideal ammeter should be