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Name:		Roll No.		Subject	Physics
Test Type	MSQs, Short & Long Questions	Class	12 th	Date	
Chapter	12 Electron Volt to End	Unit	12	Time	

Q. No.	. 1 Tick the best opt	ion		20			
1.			h which he measured the				
	(a) 1901	(b) 1909	(c) 1911	(d) 1919			
2.	In Millikan's experiment, the oil drop can be suspended between two plates when gravitational force is equal						
	to:		a a com r a	7 K 7 F 7 F			
	(a) Magnetic force	(b) Nuclear force	(c) Electric force	(d) None of these			
3.	The equation for discharge		PC/ts	PC/r			
. 2	(a) $q = q_0 (1 - e^{-t/RC})$	(b) $q = q_0 e^{-t/RC}$	(c) $q=q_0(1-e^{-RC/t})$	(d) $q=q_0 e^{-RC/t}$			
4.		(b) Half	plates is doubled the its c (c) Four times	1. Part 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1			
-	(a) Double	(d) Remains same					
5.	The effective capacitance is reduced when capacitors are connected in (a) Series (b) Parallel						
	(c) Series parallel comb	vination	(d) None of these				
6			illel the resultant capacita	nnaa			
6.	(a) $1.3 \mu F$	(b) 8 μF	(c) $6 \mu F$	(d) 0.5 μF			
7.			or. The time constant of α				
1.	(a) 0.1 s	(b) 2.5 s	(c) 1 s	(d) 10 s			
8.				parallel what is the ratio of $C_s/C_p =$			
0.	(a) 1/60	(b) 3600	(c) 1/3600	(d) 250			
9.	N 6	1 2		oubled and capacitance doubled, then			
<i>J</i> .	the energy stored in it v		ranci plate capacitor is u	odored and capacitance dodored, then			
	(a) 2 times	(b) 4 times	(c) 8 times	(d) remain same			
10.			difference. The energy st				
10.	(a) 4 J	(b) 4000 J	(c) $4 \times 10^{-3} \text{J}$	(d) 0.4 J			
11.	() () () () () () () () () ()	s connected to earth its c	No. A. C. Carlotte and C. Carl	(0) 0.11			
	(a) Decreases	(b) Increases	(c) Remain same	(d) None of above			
12.	8 6		arge is stored, out of max				
	(a) $0.37 q_{\circ}$	(b) 0.51 <i>q</i> °	(c) 0.63 q _o	(d) 0.93 <i>q</i> _°			
13.		ase of capacitor is always					
	(a) E^2	(b) C	(c) V^2	(d) ε₀			
14.	ACCENTAGE OF THE PROPERTY OF T	MADE, 2500	1.80 a 1.00 a 1.00 a	ne parallel plate capacitor:			
	(a) Increases	(b) Decreases	(c) No change	(d) \vec{E} increases, V decreases			
15.	A one coulomb charge	of one gram is in electric	field of 10 N/C. The acc	celeration will be:			
	(a) 10000 ms ⁻²	(b) 10 ms ⁻²	(c) 1 ms ⁻²	(d) 0.10 ms ⁻²			
16.	$M\Omega$ times pF = ?						
	(a) m.sec	(b) n.sec	(c) μ. sec	(d) sec			
17.	Which forces cannot be						
	(a) Electrical Forces	(b) Magnetic Forces	(c) Gravitational forces	(d) Nuclear forces			
18.	A 1 μ F capacitor is sub		l difference the energy st	보이는 HERE IN THE TOTAL TOTAL IN THE PROPERTY OF THE PROPERTY O			
	(a) 8J	(b) 16J	(c) $4 \times 10^{-3} \text{J}$	(d) $12 \times 10^{-3} \text{J}$			
19.				parallel what is the ratio of $C_p/C_s =$			
	(a) 1/60	(b) 3600	(c) 1/3600	(d) 250			
20.	Second/ohm is equal to			No. 22 No. 31			
	(a) Farad	(b) Coulomb	(c) Joule	(d) Ampere			
O No	2 Write the short a	nswer of these follo	wing questions	3 x 2 = 06			
1)			ance of parallel plate cap				
2)		Show that, $1 \text{ ev} = 1.6 \text{ x}$					
3)		of electric and gravitat					
100000000000000000000000000000000000000	3 Long question	S.u	1 and	05			
		an expression for energy	stored by the capacitor.				