FIRST REVISION TEST - 2025

Standard - XII
PHYSICS

121222

Time: 3.00 hrs PHYSICS
Part - A

Marks:70

1.	Answer all the questions. Choose For light incident from air on a stangle of refraction is akwaaca	lab of refractive index 2, the	15x1=15 maximum possible
	a) 30° b) 45°		d) 90°
2	Which one of the following is the	The Decision of Market and All Control of the Contr	4
۷.	a) Peacock feather b) Peacock) Skin of the whale
3	The ratio of magnetic length and		
٥.	a) 3/4 b) 4/3	c) 5/6	d) 6/5
4	First diffraction minimum due to		
	wavelength of light used is	a onigio one or main mare	
	a) 400 A b) 500 A	c) 600 A	d) 700A
5.	The barrier potential of a silicon	diode is affroximately.	
	a) 0.7V · b) 0.3V	c) 2.0V	d) 2.2V
6	An electricfield $\vec{E} = 10$ exists in	n a certain region of space	Then the notential
Ŭ.	An electric field $\vec{E} = 10x\hat{i}$ exists in a certain region of space. Then the potential		
	difference $V = V_o - V_A$, where V_o is the potential at the origin and V_A is the potential		
10	at x=2m is	- V 100V	4/ 40//
-	a) 10V b) -20V	c) +20V	d) -10V
1.	If the amplitude of the magnetic field is 3 x 10-6T, then amplitude of the electric		
1	field for a electromagnetic wave	And the state of t	JV 000V (1
_	a) 100Vm ⁻¹ b) 300Vm ⁻¹	c) 600Vm ⁻¹	d) 900Vm ⁻¹
8.	The average binding energy of in		TO SELECT THE SELECTION OF THE SELECTION
_	a) 8.8 eV b) 8.8 MeV		
9.	The internal resistance of a 2.1\ resistance of 10 Ω is	z cell which gives a current of	or U.2A through a
	a) 0.2Ω b) 0.5Ω	c) 0.8Ω	
10.	In an oscillating LC circuit, the non the capacitor when the enermagnetic field is		
		O	William Control of the Control
	a) $\frac{Q}{2}$ b) $\frac{Q}{\sqrt{3}}$	c) $\frac{2}{\sqrt{5}}$	d) Q
	-7 2 √3	$\sqrt{2}$	MAG.
11	The critical angle of diamond is		The factor of the second
-	a) 37° b) 31°	c) 49.8°	d) 24.4°
12	. In an electron microscope, the	electrons are accelerated by	a voltage of 14KV. If
l.	the voltage is changed to 224K the electrons would.		
	a) increase by 2 times b) decrease by 2 times		
	c) decrease by 4 times d) increase by 4 times		
13	. A circular coil of radius 5cm an	d 50 turns carries a current	
	magnetic dipole moment of the	c) 0.5 Am ²	d) 0.8 Am ²
	an Lumiii — Ul Le Aiii		

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