to be filled in by the candidate.

Inter. (Part-II)-A-2022

(For all Sessions)

The second secon	MATERIAL DESCRIPTION OF THE PARTY OF THE PAR
Physics (or	ojective Type)
Time: 20 Minu	tes

Group-II

Marks:17

8

Paper Code

Note: You have four choices for each objective type question as A, B, C and D. The choice which you think is correct, fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question. Attempt as many questions as given in objective type question

		paper and leave others blan	K.							
1.	1.	All motions are	•							
		(A) absolute	(B) uniform	(C)	relative	(D)	variable		
	2. If an object moves with the speed of light, its mass will be									
		(A) zero		maximum		infinity	(D)	minimum		
	3.	Which of the following ha	is the	largest de Broglie wa		•	()			
		(A) proton		α – particles		carbon atom	(D)	electron		
	4.	The dead time of G.M tub			` '		(-)			
		(A) 10^{-3} sec	(B)	10^{-6}sec	(C)	10^{-4}sec	(D)	10^{-8}sec		
	5. Slow neutrons can cause fission in									
		(A) uranium - 238			(C)	neptunium	(D)	lithium		
	6.	SI unit of electric flux is _				1	(-)			
		(A) $N m^2 C^{-1}$			(C)	$N m^{-1} C^{-1}$	Œ) NC ⁻¹		
	7. A proton is moved from low potential to high potential between two points having potential difference of									
	volt energy gained by proton is									
		(A) 1 ev			(C)	$1.6 \times 10^{-19} \text{ eV}$	(D)	1.6 ev		
	8.	A rheostat can be used as	,		()		(-)			
		(A) potential divider			(C)	amplifier	(D)	both (A) & (B)		
	9. Magnetic field due to current carrying straight varies as									
		(A) $\frac{1}{r^2}$	(B)		(C)		(D)	_		
		r ²	(D)	1	(0)	r	(D)	r		
1	10. Charge to mass ratio of neutron is									
		(A) zero		$9.53 \times 10^{9} \mathrm{C \ kg^{-1}}$	(C)	$1.758 \times 10^4 \mathrm{C kg^{-1}}$	(D) 1	1.775 x 10 ⁻¹¹ C kg ⁻¹		
1	1.	The motional emf depends								
		(A) length of conductor	(B)	magnetic field	(C)	speed	(D)	all of these		
12	12. Lenz's law is the manifestation of conservation of									
		(A) current	(B)	voltage	(C)	energy	(D)	all of these		
13	3.	The reactance of an inductor	or is g	iven as						
		(A) ωL	(B)	$\frac{1}{\omega L}$	(C)	$\frac{\omega}{L}$	(D)	L		
						D	,	ω		
14	ł.	The reactance of an inducto								
1.		(A) frequency		voltage	(C)	resistance	(D)	capacitance		
13		Which one is not a ductile i			(6)					
1.				copper	(C)		(D)	iron		
16	16. Open loop gain of operational amplifier is of the order of (A) 10^6 (B) 10^3 (C) 10^7 (D) 10^5									
1.5			` '		(C)		(D)			
1 /		Gain of inverting amplifier								
		(A) -10	(B)		(C)		(D)	100		
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