Roll No. of Candidate :			co ath a r		
	PHYS	SICS	(Intermediate Part-II	, Class 12 th) 422 - (II) P	aper II (Group – II)
	Time	: 20 Minutes	OBJECTIVE .	Code: 8474	tadenad Marks: 17
		fill that circle in front of tha	t question number. Use mark nark in that question. Attem	as A, B, C and D. The choice ter or pen to fill the circles. Cu pt as many questions as given	tting or filling two or more
	1. 1.	Which of the following	electromagnetic waves have	ve the shortest wavelength?	
		(A) radio waves	(B) infrared waves	(C) ultraviolet waves	(D) micro waves
	2.		street lights can be done by		
		, ,		(C) transistor	(D) capacitor
	3.		e with input 'A' and 'B' ha		
		(A) B is zero		(B) A is zero	_
		(C) both A and B inpu		(D) both inputs A and	B are one
	4.	The shortest wavelengt	h in Lyman series is	·	
		(A) $\frac{2}{3}R_{H}$	(B) $\frac{4}{9}R_{\rm H}$	(C) $\frac{1}{R_H}$	· (D) R _H
	The potential difference between two plates is 100 volts and separation of the pl				
		then potential gradient	is	(C) 5000 NC ⁻¹	1
	1				
	6.	•	·	en energy radiated per second	
	_	(A) 32 times	(B) 16 times	(C) 64 times	(D) 4 times
	7.		e thyroid cancer treatment i		(D) sobalt 60
	0	(A) sodium - 24 (B) iodine - 131 (C) carbon - 14 (D) cobalt - 60			
	8.	 A direct current of 5 ampere is given to primary coil, then the voltage developed across secondary coil is 			
		(A) 5 volts		(C) 10 volts	(D) 2 volts
	9.			ime 50 seconds. The current	
	,	(A) 2 A	(B) 8 A	(C) 20 A	(D) 200 A
,	10.	. ,	is not needed in fast nucle	` '	. ,
		(A) moderator			(D) heat exchanger
	11.	Which of the following	is not present in A.C gene	rator?	
		(A) split rings	(B) carbon brushes	(C) magnetic field	(D) armature
	12.	Which of the following	is not accurate measuring	device?	
				oscope (C) voltmeter	
	13.	the state of the s			
		the total energy dissipa	ted through resistor is		
		(A) 5 KJ	(B) 10 KJ	•	(D) 100 KJ
	14.		happens only		0 1 1
				(B) along the direction	
			ion of motion		
	15.		at resonance frequency, the	_	(D) infinite
	16	(A) zero	(B) minimum		(D) infinite
	16.		wing is not semiconductor? (B) silicon	(C) aluminium	(D. gallium arsenide
	. 17	()	` '	peed 10 ⁶ m/sec perpendicular	
	17.		gth 1 web m ⁻² is		
			(B) $1.6 \times 10^{-13} \text{ N}$	(C) zero	(D) $1.6 \times 10^{-23} \text{ N}$
		()	· /	, ,	