Roll I	No. of Candidate:				
PHYSICS			I, Class 12 th) 422 - (II)		
Time: 20 Minutes		OBJECTIVE	Code: 8474 Guj	-C-22 Marks: 17	
	fill that circle in front of	for each objective type question that question number. Use man o mark in that question. Atten	n as A, B, C and D. The choice ker or pen to fill the circles. Co	which you think is correct, utting or filling two or more	
1. 1.	Which of the follow	ing electromagnetic waves ha	we the shortest wavelength?		
	(A) radio waves	(B) infrared waves	(C) ultraviolet waves	(D) micro waves	
2.	Automatic function	of street lights can be done by			
	(A) inductor	(B) comparator	(C) transistor	(D) capacitor	
3.	A two input NAND	gate with input 'A' and 'B' h	as output zero if		
	(A) B is zero		(B) A is zero		
	(C) both A and B i	nputs are zero	(D) both inputs A and	d B are one	
4.	The shortest wavele	ngth in Lyman series is			
	(A) $\frac{2}{3}R_{H}$	(B) $\frac{4}{9}R_{H}$	(C) $\frac{1}{R_{v}}$	· (D) R _H	
	3 - A	У 9 н	R _H	"	
5.		The potential difference between two plates is 100 volts and separation of the plates 5 cm			
	then potential gradie	(B) 20 NC ⁻¹			
T.			(C) 5000 NC ⁻¹	$\cdot (D) 2 \text{ NC}^{-1}$	
6.		f the black body is doubled th			
	(A) 32 times	(B) 16 times	(C) 64 times	(D) 4 times	
7.		, the thyroid cancer treatment		m 1 1 10	
	(A) sodium – 24		(C) carbon – 14	(D) cobalt - 60	
8. A direct current of 5 ampere is given to primary coil, then the voltage developed across				ed across	
*	secondary coil is		(0) 10 1	(D) 2 lt-	
•	(A) 5 volts	(B) zero	(C) 10 volts	(D) 2 volts	
9.		charge of 400 C in a circuit in (B) 8 A	(C) 20 A	(D) 200 A	
10	(A) 2 A	ving is not needed in fast nucle		(D) 200 A	
10.	(A) moderator	(B) control rods		(D) heat exchanger	
11.		ying is not present in A.C gene	` '	(D) Hour exchanger	
	(A) split rings	(B) carbon brushes	(C) magnetic field	(D) armature	
12.		ving is not accurate measuring		(2)	
	(A) digital multimeter (B) cathode rays oscilloscope (C) voltmeter (D) potentiometer				
13.	A one farad capacitor is charged to 100 V and then discharge through 1 K Ω resistance				
		sipated through resistor is	the state of the s		
	(A) 5 KJ	(B) 10 KJ	(C) 2 KJ	(D) 100 KJ	
14.		ion happens only			
		to direction of motion	(B) along the direction	on of motion	
	(C) opposite to direction of motion (D) along any direction			ion	
15.	In RLC series circuit, at resonance frequency, the impedance is				
	(A) zero	(B) minimum	(C) maximum	(D) infinite	
16.		ollowing is not semiconductor			
	(A) germanium	(B) silicon	(C) aluminium		
17.		on an electron moving with s		r to the	
	magnetic field of strength 1 web m ⁻² is				
	(A) $1.6 \times 10^{-19} \text{ N}$	(B) $1.6 \times 10^{-13} \text{ N}$	(C) zero	(D) $1.6 \times 10^{-23} \text{ N}$	
				314-(II)-422-42000	