Paper Code		2015 (A)			
Nur	nber: 4478	INTERMEDIAT	TE PART-II	(12 th CLASS)	
GRO Note think Cutti as given	OUP-II e: You have four choi k is correct, fill that cir ing or filling two or m ven in objective type q BLES are not filled.	ces for each objective rcle in front of that qu ore circles will result question paper and les	ECTIVE type question uestion number in zero mark i ave others blan	TIME ALLOWED: 20 Minu MAXIMUM MARKS: 17 as A, B, C and D. The choice which your. Use marker or pen to fill the circles. In that question. Attempt as many question. No credit will be awarded in case of OBJECTIVE PAPER.	
(1)	The relation $B = \frac{\mu_0 R}{R}$	$\frac{I}{2\pi r}$ is called:-			
	(A) Lenz's law		(C) Ampere's	s law (D) Faraday's law	
(2)	The energy stored in	an inductor is:-			
	(A) LI^2	(B) $\frac{1}{2}LI^2$	(C) $\frac{1}{2}L^2I$	(D) IL^2	
(3)	Frequency of A.C. in	4	2		
()	(A) 100 cps	(B) 60 cps	(C) 120 cps	(D) 50 cps	
(4)	If V_o is the peak value of alternating voltage, the rms value is:-				
(5)	(A) $\frac{v_o}{\sqrt{2}}$			(D) $\frac{\sqrt{2}}{v_0}$	
	(A) $\frac{v_o}{\sqrt{2}}$ (B) $\sqrt{2}v_o$ (C) $v_o/2$ (D) $\frac{\sqrt{2}}{v_o}$ The phase at the positive peak is:-				
(3)	(A) π	(B) $\frac{\pi}{2}$	(C) $3\pi/2$	(D) 2π	
(6)(7)	Nm^{-2} is called:-	\ / /2	, /2	()	
	(A) Ohm	(B) Ampere	(C) Volt	(D) Pascal	
	The number of valance electrons in <i>Ge</i> are:-				
	(A) 3	(B) 4	(C) 5	(D) 2	
(8)	In a bridge rectifier circuit, the number of diodes are:-				
	(A) 4	(B) 2	(C) 3	(D) 1	
(9)	If an object moves w	ith the speed of light, i	ts mass become	es:-	
	(A) Equal to its rest mass (B) Double of its rest mass (C) Four times of its rest mass (D) Infinite				
(10)	The magnitude of Pla	ank's constant is:-			
	(A) $8.85 \times 10^{-19} J.S$	(B) $6.63 \times 10^{-34} J.S$	(C) 6.62×10	$J^{-19}J.S$ (D) $0.53 \times 10^{-10}J.S$	
(11)	The energy of the 4 th	orbit in Hydrogen ato	m is:-		
		(B) $-3.50 eV$		(D) $-0.85 eV$	
(12)	During the Fission of one atom of U_{92}^{235} , the energy released is:-				
	(A) 200 MeV	(B) 100 MeV	(C) 60 MeV	(D) 28 MeV	
(13)	Thyroid cancer is cur	red by:-			
	(A) Carbon – 14	(B) Sodium – 24	(C) Iodine – 1	(D) Cesium – 137	
(14)	The electric intensity	at infinite distance fro	om the point cha	arge is:-	
	(A) Zero	(B) $1NC^{-1}$	(C) 1 volt – m	n ⁻¹ (D) Infinite	
(15)	Electric flux $\Phi = \overline{B}$	\overline{A} is maximum whe	n 'θ' is:-		
	(A) 90°	(B) 45°	(C) 30°	(D) 0°	
(16)	` '	natically expressed as:	· /	· /	
		(B) $I = V/R$		(D) $I = RV^2$	
(17)	The SI unit of magne	,			

20(OLD SCHEME)(Obj)(**PPPP**)-2015(A)- (MULTAN)

(B) Gauss (C) Tesla

(A) Weber

(D) Tesla . m²