	.10	o. of Candidate :			
. <b>X</b>	SI	CS	Intermediate Part-II, C	Class 12 <sup>th</sup> (1 <sup>st</sup> A 424 - III	) Paper: II Group - II
ſim	e: 2	0 Minutes	<b>OBJECTIVE</b>	Code: 8476	Marks: 17
Note	fil	ou have four choices for il that circle in front of the rcles will result in zero	hat question number. Use ma	on as A, B, C and D. The charker or pen to fill the circles	oice which you think is correct s. Cutting or filling two or more
<b>1.</b> 1		Using spectroscopy the (A) Earth	ne helium was identified in (B) Sun	the (C) Stars	(D) all of these
2		The induced emf is pr (A) internal energy	rimarily produced at the cos (B) mechanical energy	st of (C) chemical energy	(D) electrical energy
3		The reactance of an in (A) $2.5 \Omega$	nductor at 50Hz is $10\Omega$ . Its (B) $5 \Omega$	reactance at 100Hz is (C) 10 Ω	(D) 20 Ω
4		Threshold wavelength	for metal having work fur	nction 40 is $\lambda_0$ . What is th	e threshold wavelength for
		metal having work fun (A) $2\lambda$	nction 240 is (B) 4λ	(C) λ/2	(D) λ/4
5		The emf induced in 11 (A) $2 \times 10^{-6} \text{ V}$	mH inductor in which curre (B) 8×10 <sup>-6</sup> V	ent changes from 5A to 3A (C) 2V	in 1s is (D) 8V
6		Two metallic spheres charge density?  (A) 1 <sup>st</sup> sphere	of radius 1cm and 2cm get  (B) 2 <sup>nd</sup> sphere	equal quantity of charge.  (C) both get equal surface.	`•
7			amplifier having $r_{ie} = 1 \Omega$	$, \beta = 100, Rc = 20 \Omega$ is (C) 500	(D) 5
8		If the length of conduction (A) increased four tint (C) become one-half	ctor is doubled and its cross nes	s sectional area is halved,  (B) become one fourth  (D) remained un-chan	
9		discharging it fully wi	enser is $4 \times 10^{-6}$ Farad and in III be (B) 0.04 J		ne energy released on (D) 0.05 J
10		Circulation of blood c (A) Sodium – 24		(C) Carbon – 14	(D) Iodine – 131
11		If a wire is stretched to (A) zero	o double of its length then (B) 1	strain will be (C) 1/2	(D) double
12		Unit of decay constant (A) ms	t λ/is (B) m <sup>-1</sup>	(C) m	(D) s <sup>-1</sup>
13		The term transistor sta (A) transfer of resista (C) transfer of current	nce	<ul><li>(B) transfer of voltage</li><li>(D) all of these</li></ul>	
14		Force on a current carr (A) IL Sinθ	rying conductor per unit les (B) ILB	ngth is given by (C) IB	(D) IB Sinθ
15		For a current carrying	solenoid the term "n" has		
		(A) no unit	(B) m	(C) $m^{-1}$	(D) $m^{-2}$
16		When applied potentia (A) increases	al difference is increased; c (B) decreases	apacitance of parallel plate (C) remains same	e capacitor (D) reduces to zero
17		In photoelectric effect the intensity of light made twice than initial value. The maximum K.E of			
		photoelectron become (A) same	(B) double	(C) half	(D) four times
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