

Physics

Paper : II

Roll No.

(To be filled in by the candidate)

HSSC (12th) 2nd Annual 2022

Time : 20 Minutes

Marks : 17

Objective – (iii)

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 in your answer book. Use marker or pen to fill the circles. Cutting or filling up two or more circles will result no mark.

SECTION-A

Q.1	Questions	A	B	C	D
1.	Rydberg constant has numerical value:	$1.0974 \times 10^7 m^{-1}$	$6.34 \times 10^{-34} m^{-1}$	$6.02 \times 10^{-34} m^{-1}$	$1.6 \times 10^{19} m^{-1}$
2.	When platinum is heated, it becomes orange at:	500 °C	900 °C	1100 °C	1300 °C
3.	The energy of photon of wavelength 500nm is:	2.49 eV	3.10 eV	1.77 eV	1.52 eV
4.	The input resistance of an op-amplifier is:	Zero	Low	Equal to output	High
5.	Greater concentration of impurity is added in:	Base	Emitter	Collector	Both A and B
6.	Which of the given has least hysteresis loop area?	Steel	Soft iron	Wrought iron	Cobalt
7.	The slope of $q-t$ curve at any instant of time gives:	Current	Voltage	Charge	Resistance
8.	The unit of $\sqrt{LC}$ is:	Henry	Hertz	Second	Ampere
9.	Henry is S.I unit of:	Current	Resistance	Self-inductance	flux
10.	The motional emf is given by:	qvB	IBA	qE	VBL
11.	Magnetic flux density at a point due to current carrying coil is determined by:	Lenz's Law	Ampere's Law	Faraday's Law	Gauss's Law
12.	A dot (•) represents the direction of magnetic field:	Out of page	Into the page	Tangent to the page	Parallel to the page
13.	What is the smallest total resistance which can be obtained using 6Ω and 12Ω resistors?	2Ω	6Ω	4Ω	8Ω
14.	Relative permittivity of a material is 10, its absolute or actual permittivity is:	$8.85 \times 10^{-12} F/m$	$8.85 \times 10^{-11} F/m$	$9 \times 10^9 F/m$	$10 F/m$
15.	If the potential difference across two plates of a capacitor is doubled the energy stored in it will be:	Two times	Eight times	Four times	Same
16.	The best place for storing the nuclear wastes is:	Ocean	Depositing in earth	Depositing in deserts	Bottom of old salt mines
17.	A set of three quarks makes a:	Meson	Baryon	Leptons	All of these

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CANCELLED