

## Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Lenz's law deals with	A. Magnitude of emf B. Direction emf C. Direction of induced current D. Resistance
2	Which pair belongs to hadrons.	A. Protons and Neutrons B. Neutrons and electrons C. Photons and electrons D. positrons and electrons
3	Flux through any closed surface is:	A. $1/\epsilon^2$ times the total charge enclosed in it B. $\epsilon^2$ time the total charge enclosed in it C. $1/\epsilon$ ties the total charge enclosed in it D. $\epsilon$ time the total charge enclosed in it
4	In the Bohr's model of the hydrogen atom, the lowest orbit corresponds to:	A. Infinite energy B. Maximum energy C. Minimum energy D. Zero energy
5	The electric field lines are closer where the field is	A. Strong B. Weak C. Uniform D. Variable
6	unit of Plank's constant is same as that of.	A. Acceleration B. Angular momentum C. Linear momentum D. Entropy
7	The maximum kinetic energy of emitted photo electrons depends upon.	A. The intensity of incident light B. Frequency of the incident light C. Metal surface D. Both frequency of incident light and metal surface.
8	The first theory about the structure of an atom was introduced by	A. Neil Bohr B. Einstein C. Compton D. Rutherford
9	NIBA =	A. $c\theta$ B. $\theta/c$ C. $c^2/\theta$ D. $c^2/\theta$
10	The direction of induced current is always so as to oppose the change which causes the current, this is the statement of	A. Lenz's law B. Faraday's law C. Ampere's law D. Coulomb's law
11	The ratio of potential barriers of Ge to Si at room temperatrue is.	A. 7:3 B. 1:3 C. 2:5 D. 3:7
12	In 'N' type material, the minority charge carriers are.	A. Free electrons B. Holes C. Protons D. Mesons
13	Maximum Compton shift is observed at.	A. $30^\circ$ B. $90^\circ$ C. $45^\circ$ D. $180^\circ$
		A. Electrons are majority carriers & trivalent atoms are the dopants B. Electrons are majority carriers

14	In an N-type silicon, which of the following statement is true?	<p>&amp; pentavalent atoms are the dopants</p> <p>C. Holes are minority carriers &amp; pentavalent atoms are the dopants.</p> <p>D. Holes are minority carriers &amp; trivalent atoms are the dopants.</p>
15	Question Image	<p>A. Lenz's law</p> <p>B. Faraday's law</p> <p>C. Ampere's law</p> <p>D. None of these</p>
16	The highest value reached by the voltage or current in one cycle is called.	<p>A. Peak of peak value</p> <p>B. Peak value</p> <p>C. Instantaneous value</p> <p>D. Root mean square value</p>
17	Pulsating output of full wave rectifier can be made smooth by using circuit called.	<p>A. Filter</p> <p>B. Amplifier</p> <p>C. Resistor</p> <p>D. Transistor</p>
18	Very weak magnetic field produced by brain can be detected by	<p>A. MRI</p> <p>B. CAT scans</p> <p>C. Squid</p> <p>D. CRO</p>
19	In A.C circuit through a capacitor which one is:	<p>A. Current leads voltage by <math>90^\circ</math></p> <p>B. Current lags behind voltage by <math>90^\circ</math></p> <p>C. Both will be in phase</p> <p>D. None of above</p>
20	if time constant in RC series circuit is small, then capacitor is charged or discharged.	<p>A. Slowly</p> <p>B. Rapidly</p> <p>C. At constant rate</p> <p>D. Intermittently</p>