

Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	If the kinetic energy of a free electron doubles, its de Broglie wavelength changes by the factor.	<p>A. $\frac{1}{2}$</p> <p>B. $\frac{1}{\sqrt{2}}$</p> <p>C. 2</p> <p>D. $\frac{1}{2}$</p>
2	The SI unit of E is NC^{-1} and that of B is $\text{Na}^{-1} \text{m}^{-1}$ then the unit of E/B is.	<p>A. ms^{-2}</p> <p>B. ms</p> <p>C. ms^{-1}</p> <p>D. $\text{m}^{-1}\text{s}^{-1}$</p>
3	Energy stored in an inductor is:	<p>A. $\frac{1}{2}LI^2$</p> <p>B. $\frac{1}{2}L^2I$</p> <p>C. $\frac{1}{2}LI^2$</p> <p>D. $\frac{1}{2}LI$</p>
4	The force which is responsible for the breaking up of the radioactive element is.	<p>A. Weak nuclear force</p> <p>B. Strong nuclear force</p> <p>C. Electromagnetic force</p> <p>D. Gravitational force</p>
5	$V_{\text{rms}} =$	<p>A. $0.7V$</p> <p>B. $0.07V$</p> <p>C. $0.007V$</p> <p>D. $0.75V$</p>
6	A capacitor is perfectly insulator for:	<p>A. Direct current</p> <p>B. Alternating current</p> <p>C. Direct as well as alternating current</p> <p>D. None of these</p>
7	When Ohm meter gives full scale deflection it indicates.	<p>A. Zero resistance</p> <p>B. Infinite resistance</p> <p>C. Small resistance</p> <p>D. Very High resistance</p>
8	The mass of proton in amu is:	<p>A. 1.07276</p> <p>B. 1.7276</p> <p>C. 1.007276</p> <p>D. 1.0007276</p>
9	The energy of 4th Orbit in hydrogen atom is.	<p>A. -2.51 eV</p> <p>B. -3.50 eV</p> <p>C. -13.60 eV</p> <p>D. -0.85 eV</p>
10	The SI unit of resistivity is.	<p>A. Ohm m^{-2}</p> <p>B. Ohm m^{-1}</p> <p>C. Ohm m</p> <p>D. Ohm</p>
11	The drift velocity is of order:	<p>A. 10^{-13}m/s</p> <p>B. 10^3m/s</p> <p>C. 10^{-3}m/s</p> <p>D. 10^{-4}m/s</p>
12	X-rays were discovered by	<p>A. Curie</p> <p>B. Henry Becquerel</p> <p>C. Rontgen</p> <p>D. None of these</p>
13	When meta I is heated sufficiently electrons are given off by the metal. This phenomenon is known as.	<p>A. Photoelectric effect</p> <p>B. Piezo electric effect</p> <p>C. Thermionic emission</p> <p>D. Secondary emission</p>

14	The most suitable metal for making permanent magnet is.	B. Aluminium C. Steel D. Copper
15	Which is not characteristic of Laser.	A. Monochromatic B. Coherent C. Intense D. Multi direction
16	The first theory about the structure of an atom was introduced by	A. Neil Bohr B. Einstein C. Compton D. Rutherford
17	The device which is used as amplifier and works with the negative feedback is.	A. Operational amplifier B. P-n-p transistor C. n-p-n transistor D. Transistor
18	Which one of the following is ductile substance.	A. Copper B. Lead C. Wrought iron D. All of them
19	Which one of the following is correct	A. D. All of above
20	What is the resistance of carbon resistor which has band brown black brown.	A. 100 Ohm B. 1000 Ohm C. 10 Ohm D. 1.0 Ohm