

Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Energy density of an inductor is:	A. $UM=1/2\mu B^2$ B. $Um = 2\mu B$ C. $UM = 1/2B^2/\mu$ D. $Um = 2B^2/\mu$
2	In Pakistan the frequency of A.C. supply is.	A. 50 Hz B. 60 Hz C. 45 Hz D. 70 Hz
3	X- ray diffraction reveals that these are	A. Particle type B. Wave type C. Both wave and particle D. None of above
4	The power factor of RL series circuit is.	A. 0 B. 1 C. Less than 1 D. More than one
5	A resistance frequency the impedance of RLC parallel circuit is.	A. Zero B. Infinite C. Maximum D. Minimum
6	Unit (S.I) of temperature coefficient of resistivity of a material is	A. K B. K^{-1} C. $^{\circ}C$ D. K^{-2}
7	Which of the following converts electrical energy into mechanical energy.	A. Transformer B. A.C. generator C. D.C. generator D. D.C. motor
8	The quantity of U in the naturally occurring uranium is.	A. 0.2% B. 0.3% C. 0.7% D. 0.4%
9	A transistor has parts:	A. 2 B. 3 C. 4 D. 5
10	Study of hydrogen visible spectrum in	A. 1886 B. 1887 C. 1895 D. 1885
11	Commentator was invented by	A. Henry B. Ousted C. Maxwell D. William sturgeon
12	Two metallic sphere of radius 2 cm and 4 cm get equal quantity of charge. Which has greater surface charge density ?	A. 2 nd sphere B. Both have same C. First sphere D. None of these
13	Farad is defined as	A. "Coulomb/Volt" B. Ampere /Volt C. Coulomb /Joule D. Volt/Coulomb
14	The internal resistance of a capacitor is called:	A. Impedance B. Resistance C. Reactance D. Conductance

15	In chopke coil the resistance X_L an resistance R are:	<p>B. X_L & R</p> <p>C. X_L & R</p> <p>D. X_L > R</p>
16	Photons emitted in inner shell transition are.	<p>A. Continuous X-rays</p> <p>B. Discontinuous X-rays</p> <p>C. Characteristic X-rays</p> <p>D. Energetic X-rays</p>
17	The slope of q-t curve at any instant of time gives.	<p>A. Voltage</p> <p>B. Current</p> <p>C. Charge</p> <p>D. Both a and b</p>
18	Lenz's law was given by Heinrich lenz in:	<p>A. 1894</p> <p>B. 1904</p> <p>C. 1854</p> <p>D. 1834</p>
19	The number of crystal system are	<p>A. Three</p> <p>B. Five</p> <p>C. Seven</p> <p>D. Fifteen</p>
20	A cable breaks if stretched by more than 2mm. It is cut into two equal parts. How much either part can be stretched without breaking?	<p>A. 25 m</p> <p>B. 1mm</p> <p>C. 2mm</p> <p>D. 0.5 m</p>