

## Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Both Xenon and cesium have	A. 33 isotopes B. 34 Isotopes <b>C. 36 Isotopes</b> D. 35 Isotopes
2	The torque in the coil can be increased by increasing:	A. No. of turns B. Current and magnetic field C. Area of coil <b>D. All of the above</b>
3	Which device is used as a rectifier?	A. Capacitor B. Transistor <b>C. Diode</b> D. Transformer
4	The wave form of alternating voltage is a	A. Cotangent curve B. Cosine curve <b>C. Sine curve</b> D. Tangent curve
5	At resonance frequency, the impedance of RLC series circuit is.	A. Maximum <b>B. Minimum</b> C. Zero D. Infinite
6	During negative half cycle of A.c then p-n junction offers.	A. High resistance B. Low resistance C. No resistance <b>D. All of these</b>
7	The work done in bringing a unit positive charge from infinity to that point in an electric field is called.	A. Potential B. Potential difference <b>C. Absolute potential</b> D. All of these
8	The number of neutrons in Li are	A. 2 B. 3 <b>C. 4</b> D. 7
9	Induced emf in A.C. generator can be increased by	A. Decreasing area of coil B. Decreasing magnetic field <b>C. Increasing area of coil</b> D. Slowing down speed of coil
10	The resonance frequency is given by:	A. $f_r = 2\pi\sqrt{LC}$ B. $f_r = 1/2\pi\sqrt{LC}$ <b>C. <math>f_r = 1/2\pi\sqrt{LC}</math></b> D. $f_1 = 1/2\pi\sqrt{C/L}$
11	_____ has the largest de Broglie wavelength at same speed.	A. Proton B. Alpha particle C. Carbon atom <b>D. Electron</b>
12	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?	A. 25 m <b>B. 1mm</b> C. 2mm D. 0.5 m
13	Which one of the following is crystalline solid.	A. Zirconia B. Glassy solid C. Natural rubber <b>D. Poly strene</b>
14	Very weak magnetic field produced by brain can be detected by	<b>A. MRI</b> B. CAT scans C. Squid D. CRO
15	The field is strong and uniform.	A. Inside the solenoid B. Surrounding of solenoid externally C. Perpendicular to solenoid <b>D. All of above</b>

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16	Ampere second stands for the unit of.	A. Charge B. emf C. energy D. Power
17	The most suitable metal for making permanent magnet is.	A. Iron B. Aluminium C. Steel D. Copper
18	In Wilson cloud chamber, if tracks are thick, straight and continuous, then particle is	A. $\alpha$ -particles B. $\beta$ -particles C. Y-rays D. All
19	Two down and one up quarks make	A. Proton B. Neutron C. <del>photon</del> D. Positron
20	The device which allows only the flow of D.C. is.	A. Capacitors B. transformer C. Inductor D. Generator

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