

## Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Bremsstrahlung radiation are examples of	A. Atomic spectra B. Molecular spectra <b>C. Continuous spectra</b> D. Discrete spectra
2	The velocity of electron moving is 1st orbit of hydrogen atom is:	A. $2.09 \times 10^{16}$ ms <sup>-1</sup> B. $2.18 \times 10^{16}$ ms <sup>-1</sup> <b>C. <math>2.19 \times 10^{16}</math> ms<sup>-1</sup></b> D. $3.18 \times 10^{16}$ ms <sup>-1</sup>
3	Lorentz force means the force acting on a particle, which is	A. Magnetic force only B. Electric force only <b>C. Sum of electric and magnetic force</b> D. None of these
4	The concept of direction is purely	<b>A. Relative</b> B. Absolute C. Relative to the motion D. None of these
5	Lenz's law presented in	<b>A. 1834</b> B. 1934 C. 1826 D. 1836
6	In case of capacitor, the unit of reactance is	<b>A. Farad</b> <b>B. Ohm</b> C. Newton D. All of these
7	In self induction A coil is connected in _____ with battery and a rheostat.	<b>A. Parallel</b> B. Series C. Both A and B D. None of above
8	When the medium is insulator the electrostatic force between the charges is	<b>A. Decreased</b> B. Zero C. Increased D. None of above
9	For electromagnetic waves, Maxwell generalized	A. Gausse law for magnetism B. Gausse law for electricity C. Fradays law <b>D. Amperes law</b>
10	A charge on 4 coulomb is in the field of intensity 4N/C the force on the charge is.	A. Uniform B. Non uniform C. Weak <b>D. Strong</b>
11	Which one of the following is ductile substance.	A. Copper B. Lead C. Wrought iron <b>D. All of them</b>
12	The number of electrons in one coulomb charge is equal to	<b>A. <math>6.2 \times 10^{18}</math> electrons</b> B. Zero electrons C. $1.6 \times 10^{-22}$ electrons D. $6.2 \times 10^{21}$ electrons
13	Weber is the unit of	<b>A. Magnetic flux</b> B. Permeability C. magnetic force D. None of above
14	The electric flux through closed surface depends upon	A. Charge B. Medium C. Geometry <b>D. Charge and Medium</b>

15 The sensitivity of galvanometer directly depends upon  
A. Magnetic field  
B. Area of coil  
C. Both a and b  
D. None of a, b, c

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16 Laser is a beam of light which is  
A. Monochromatic  
B. Coherent  
C. Unidirectional  
D. All of these

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17 The brightness of the spot of CRO screen is controlled by.  
A. Anode  
B. Cathode  
C. Grid  
D. Deflecting plates

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18 The unit of strain is:  
A. Nm  
B.  $\text{Nm}^{-2}$   
C. no unit  
D.  $\text{Nm}^2$

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19 If  $1 \times 10^7$  electrons passes through a conductor in 1.0 micro second , then the current is.  
A. 2 A  
B. 1.6 A  
C.  $2.6 \times 10^{-6}$  A  
D.  $1.6 \times 10^{-6}$  A

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20 Which of the following has least hysteresis loop area.  
A. Steel  
B. Wrought Iron  
C. Soft Iron  
D. Cobalt