

Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Which material should be inserted between the plates of a capacitor in order to increase its capacitance.	A. Copper B. Mica C. Iron D. Tin
2	When gama rays are emitted, the nuclear mass.	A. Decreases by 4 units B. Does not change C. Increases by 2 units D. Increase by 1 unit
3	Current passing through the coil of galvanometer	A. CO/BAN B. CoN/BA C. NAB/CO D. ANBCO
4	Laser can be made by creating.	A. Meta stable B. Population inversion C. Excited state D. All of these
5	The effective value of any sinusoidal alternating current or voltage is	D. None of the above
6	The mass of proton in amu is:	A. 1.07276 B. 1.7276 C. 1.007276 D. 1.0007276
7	The phase angle of a series RLC circuit at resonant frequency is	A. 1/2 B. sigma C. Zero D. sigma /4
8	A battery move a charge of 40 C around a circuit at constant rate in 20 Sec. The current will be.	A. 2 A B. 0.5 A C. 80 A D. 800 A
9	In three phase voltage across any two lines is about.	A. 220 V B. 230 V C. 400 V D. 430 V
10	The drift velocity is of order:	A. 10^{-13} m/s B. 10^3 m/s C. 10^{-3} m/s D. 10^{-4} m/s
11	Ampere's law is applicable to:	A. Circular path B. Rectangular path C. To any closed path D. Nonwe of these
12	Wave nature of particle was given by:	A. Clemensen B. Louis de Broglie C. Laster H. Germer D. Clinton S. Davisson
13	The force of Neutron due to field of 10^2 N/C is.	A. 1.6×10^{-17} N B. 1.6×10^{-19} N C. Zero D. 1.6×10^{-21} N
14	Gamma rays from cobalt -60 are used for treatment of.	A. Circulation of blood B. Cancer C. Heart Attack D. Thyroid glands
15	The gate, which changes the logic level to its opposite level is called	A. NOR gate B. AND gate C. OR gate D. NOT gate
16	When a conductor moves across a magnetic field an emf is set up this emf is called.	A. Variable emf B. Constant emf C. Back emf

D. Induced emf

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- 17 Minimum energy needed to escape an electron from metal surface is called:
- A. Threshold energy
 - B. Threshold frequency
 - C. Work function
 - D. Work ability
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- 18 The output from a full wave rectifier is
- A. An ac voltage
 - B. A dc voltage
 - C. Zero
 - D. A pulsating unidirectional voltage
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- 19 Einstein's Photoelectric equation is $E_k = hf - \phi$ in this equation E_1 , refers to:
- A. K.E of all the emitted electrons
 - B. Mean K.E of emitted electrons
 - C. Maximum K.E of emitted electrons
 - D. Minimum K.E of emitted electrons
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- 20 Electric field intensity at a point is defined by the relation.
- A. $E = q/F$
 - B. $E = F/q$
 - C. $E = qF$
 - D. $E = F/q^2$
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