

Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	The amount of energy equivalent to 1 a.m.u is	A. 931.5 MeV B. 93.15 MeV C. 9.315 MeV D. 2.224 MeV
2	Which one belongs to lepton's group	A. Electron B. Muons C. Neutrons D. All of these
3	When back emf in motor is zero, it draws.	A. Zero current B. Minimum current C. Maximum current D. Steady current
4	For step down transformer	A. $N_s > N_p$ B. $N_p > N_s$ C. $N_s = N_p$ D. $N_s < N_p$
5	The product of resistance and conductance is	A. 1 B. Resistivity C. Conductance D. Zero
6	In an annihilation emitted photons moves in opposite directions to conserve.	A. Mass B. Charge C. Energy D. Momentum
7	When gamma 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
8	The induction can be increased by winding the wire around a core made of.	A. Copper B. Silicon C. Iron D. Aluminum
9	The output from a full wave rectifier is	A. An ac voltage B. A dc voltage C. Zero D. A pulsating unidirectional voltage
10	The absolute electric potential at a point distance 20 cm from a charge of 2 μC is.	A. $9 \times 10^2 \text{ V}$ B. $9 \times 10^3 \text{ V}$ C. $9 \times 10^4 \text{ V}$ D. $9 \times 10^5 \text{ V}$
11	The mutual inductance of the coils depends upon.	A. Stiffness of the coils B. Density of coils C. Material of coils D. Geometry of the coils
12	Identify the practical application of electrostatic force.	A. Inkjet printer B. x rays C. Laser D. A.C. Generator
13	Two parallel, metal plates are a distance 8.00 m apart. The electric field between the plates is uniform, Directed toward the right, and has a magnitude of 4.00 N/C. If an ion of charge $+2e$ is released at rest at the left-hand plate. What is its kinetic energy when reaches the right-hand plate?	A. 4 eV B. 64 eV C. 32 eV D. 16 eV
14	The Direction of induced current is always so as to oppose the change which causes the current, is:	A. Faraday's law B. Lenz's law C. Ohm's law D. Kirchhoff's 1st rule
15	The unit of temperature coefficient of resistivity is.	A. Ohm-m B. K ⁻¹ C. K D. Ohm

16	Which one of the following is not affected by electric or magnetic field.	A. Beta rays B. Gama ryas C. Alpha rays D. Electron
17	split rings are used in	A. A.C. generator B. A.C. motor C. Transformer D. D.C. motor
18	1 amu =	A. 9.31 MeV B. 931 MeV C. 9.031 MeV D. None of above
19	The conventional current is due to the flow of	A. Atoms and molecules B. Positive charge C. Negative charge D. Bot (b) and (c)
20	Semiconductor diodes are called:	A. Ohmic B. non ohmic C. Both a & b D. none of above