

Physics FSC Part 2 Chapter 14 Online MCQ's Test

Sr	Questions	Answers Choice
1	The SI Unit of magnetic induction is.	A. Weber B. Tesla C. Gauss D. Newton
2	The Weber is unit of measure of:	A. Conductance B. Electric current C. Magnetic flux D. Electric flux
3	The unit of magnetic induction is:	A. Tesla B. Weber C. Weber metre D. NAm^{-1}
4	An ammeter is an electrical instrument which is used to measure.	A. Voltage B. Current C. Resistance D. None
5	The brightness of the spot of CRO screen is controlled by.	A. Anode B. Cathode C. Grid D. Deflecting plates
6	The anodes in cathode ray oscilloscope.	A. Control number of waves B. Control brightness of sept formed C. Accelerate as well as focus beam D. Negative potential w.r.t to cathode
7	To convert a galvanometer into an ammeter, we connect with it a	A. Shunt resistance B. Low value parallel C. Low value by pass resistor D. All of above
8	The permeability of free space is measured in	A. wb A/m B. Am/wb C. wb/Am D. m/wbA
9	The sensitivity of Galvanometer can be increased by:	A. Increasing C/BAN factor B. Decreasing C/BAN factor C. Increasing angle D. All of above
10	The value of e/m is smallest for	A. Proton B. Electron C. Beta particle D. Positron
11	The acceleration of an electron of mass m and charge e , moving with uniform speed v at right angles to a magnetic field of flux density B , is given by	D. $\frac{Bevm}{m}$
12	μ_0 (Ampere's constant) has value.	A. $4\pi \times 10^{-7} \text{ WbA}^{-1} \text{m}^{-1}$ B. $4\pi \times 10^{-17} \text{ Wbm}^{-2}$ C. $4\pi \times 10^{-7} \text{ WbA}^{-1} \text{m}^{-1}$ D. $4\pi \times 10^{-27} \text{ Wb/m}^2$
13	Grid in cathode ray oscilloscope controls.	A. Number of electron B. Temperature of filament C. Frequency of electron D. Energy of electrons
14	Magnetic flux density is measured in	A. Weber B. Weber/m ² C. Tesla -m D. Gauss
15	Magnetic flux density at a point due to current carrying coil is determined by	A. Ampere's law B. Faraday's law C. Lenz's law D. Biot-Savart law

-
- 16 If the length of solenoid is doubled but N same, B inside the solenoid becomes.
- A. Half
B. Doubled
C. One fourth
D. Four times
-
- 17 The galvanometer can be made sensitive by making the factor BAN/C
- A. Large
B. Small
C. Constant
D. Zero
-
- 18 A charged particle enters in a strong magnetic field its K.E.
- A. Remain constant
B. Increases
C. Decreases
D. Increases then decreases
-
- 19 If a low resistance is connected parallel to a galvanometer then galvanometer is converted.
- A. Ammeter
B. Voltammeter
C. Ohmmeter
D. Multimeter
-
- 20 Ampere's law is applicable to:
- A. Circular path
B. Rectangular path
C. To any closed path
D. Nonwe of these
-