

## Physics FSC Part 2 Chapter 14 Online MCQ's Test

Sr	Questions	Answers Choice
1	The SI unit of magnetic induction 'B' Tesla is equal to.	A. NA-1m-1 B. Nam-1 C. NA-1 m D. Na2m-1
2	For accurate measurement of current through a circuit, the resistance of ammeter should be	A. Very small B. Very high C. Neither small nor high D. None of the above
3	The conductor experience force, placed in magnetic above:	A. Move towards weaker part of field B. Move towards stronger part of field C. Remains at rest D. Move upwards in space
4	The SI unit of magnetic permeability is.	A. WbA-1m-1 B. Wbm-2 C. WbmA-1 D. WbAm-1
5	An electron enters the magnetic field at right angle from left, B is into paper. The electron will be deflected.	A. upward B. To ward right C. Down ward D. Toward left
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 chithode
7	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. Gauss's law
8	The field is strong and uniform.	A. Inside the solenoid B. Surrounding of solenoid externally C. Perpendicular to solenoid D. All of above
9	The SI unit of magnetic induction Tesla is equal to	A. N-1 Am B. NA m2 C. NA-1n2 D. NA-1m-1
10	Magnetic lines of force are.	A. Imaginary B. Real C. Perpendicular D. In phase with electric lines of force
11	In CRO, the output waveform of time base generator is	A. Circular B. Square C. Sinusoidal D. Saw-toothed
12	A moving charge is surrounded by:	A. 2 Fields B. 3 Fields C. 4 Fields D. None of these
13	The magnetic field is uniform and stronger	A. Outside the solenoid B. Inside the solenoid C. At the central part of the solenoid D. None of these
14	A charged particle having charge 'q' is moving at right angle to magnetic field. The quantity which varies is.	A. Speed B. Kinetic energy C. Path of motion D. angular velocity
15	The brightness of the spot of CRO screen is controlled by.	A. Anode B. Cathode C. Grid D. Deflecting plates

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16 An ammeter is an electrical instrument which is used to measure.

A. Voltage  
B. Current  
C. Resistance  
D. None

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17 Grid in cathode ray oscilloscope controls.

A. Number of electron  
B. Temperature of filament  
C. Frequency of electron  
D. Energy of electrons

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18 The sensitivity of galvanometer is given by

A. CAN/B  
B. C/BAN  
C. BAN/C  
D. BN/CA

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19 The unit of permiability of free space is:

A. T.m/A  
B. T.m<sup>2</sup>/A  
C. T.m/A<sup>2</sup>  
D. None of these

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20 \_\_\_ is correct relation.

A.  $\mu_0 = 10^{-4} \text{ N/A}^2$   
B.  $\mu_0 = 10^{4} \text{ N/A}^2$   
C.  $\mu_0 = 10^{-2} \text{ N/A}^2$   
D.  $\mu_0 = 10^{-2} \text{ N/A}^2$

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