

Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	A° is the unit of:	A. Energy B. Length C. Nuclear energy D. Work
2	Yield stress is another name of	A. Plasticity B. Proportional limit C. Elastic limit D. Both (b) and (c)
3	Step up transfer has a transformation ratio of 3:2. What is the voltage in secondary , if voltage in primary is 30 V?	A. 45 V B. 15 V C. 90 V D. 300 V
4	The electric field lines are closer where the field is	A. Strong B. Weak C. Uniform D. Variable
5	The peak to peak value of alternating voltage is	A. $2V_{\text{rms}}$ B. V_{rms} D. None of these
6	The magnitude of back emf:	A. Increases with speed of motor B. Decreases with speed of motor C. Remains same D. None of above
7	A diode characteristics curve is a plot between	A. Current and resistance B. Voltage and time C. Voltage and current D. Current and time
8	The most suitable metal for making permanent magnet is.	A. Iron B. Aluminium C. Steel D. Copper
9	With the speed of motor, magnitude of back emf	A. Remain same B. Increase C. Decrease D. First increases then decreases
10	The free electrons experience force.	A. In direction of $-E$ B. In direction of E C. Both A and B D. All of the above
11	In A.C circuit of inductor which one is true	A. Voltage leads current by phase angle $\pi/2$ B. Voltage lags current by $\pi/2$ C. Current leads voltage by $\pi/2$ D. Both remain in phase
12	A wire uniform cross-section. A length L and resistance R is cut into two equal parts. The resistivity of each part will be:	A. Doubled B. Halved C. Remain the same D. One fourth
13	A.C. Generator based upon the	A. Lenz's law B. Maxwell's relation C. Faradays law of electromagnet induction D. Mutual induction
14	When a nucleus emits alpha particle its atomic mass decreases by	A. 1 B. 2 C. 3 D. 4
15	the core of transformer is laminated so reduce.	A. Magnetic loss B. Hysteresis loss C. Eddy current loss

		D. Electric loss
16	Which one of the following is polymeric solids	A. Glass B. Nylon C. Copper D. Zinc
17	Charge on positron is:	A. Negative B. Positive C. Netural D. None of these
18	The dimensions of Plank's constant is same as that of.	A. Energy B. Power C. Acceleration D. Angular momentum
19	Which one has greater cone of impurity among all:	A. Emitter B. Base C. Collector D. All are pure
20	Most of the electrons in the base of an NPN transistor flow.	A. Out of the base lead B. Into the collector C. Into the emit D. Into the base supply