

Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	The "toner" of photocopier is given:	A. Positive charge B. Negative charge C. Remains neutral D. All of above
2	The AC system is preferred to DC system because:	A. AC voltage can be easily changed in magnitude B. DC motor angular velocity is affected badly C. High voltage AC transmission is less efficient D. Domestic appliance require AC voltage for their operation
3	Unit of Stephen's constant is	A. $W m K^{-2}$ B. $W m^{-2} K^{-4}$ C. $W m K^{-4}$ D. None
4	The quantity of U in the naturally occurring uranium is.	A. 0.2% B. 0.3% C. 0.7% D. 0.4%
5	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
6	For step down transformer	A. $N_s > N_p$ B. $N_p > N_s$ C. $N_s = N_p$ D. $N_s > > > N_p$
7	If I_0 is the peak value of current, then its root mean square value is given by	B. $2 I_{sub>0</sub>}$ C. $I_{sub>0</sub>}$ D. $0.7 I_{sub>0</sub>}$
8	Tolerance of "Gold" band.	A. $\pm 10\%$ B. $\pm 5\%$ C. $\pm 15\%$ D. $\pm 20\%$
9	If F_1 and F_2 are teh magnetic forces acting on a particle and electron respectively when moving perpendicular to the magnetic field then.	A. $F_1 = F_2$ B. $F_1 > F_2$ C. $F_1 < F_2$ D. $F_1 = 4F_2$
10	Mass equivalent of 931 MeV energy is:	A. $6.02 \times 10^{-23} \text{ kg}$ B. $1.766 \times 10^{-27} \text{ kg}$ C. $2.67 \times 10^{-29} \text{ kg}$ D. $6.02 \times 10^{-87} \text{ kg}$
11	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
12	Binding energy per nucleon is maximum for	A. Platinum B. Iron C. Uranium D. Lead
13	The unit of Magnetic flux is called.	A. weber B. weber/m^2 C. $\text{NM}^{-1} \text{A}^{-1}$ D. None of above
14	The power factor of RL series circuit is.	A. 0 B. 1 C. Less than 1 D. More than one

15	A photo diode can turn its current ON and OFF in	<ul style="list-style-type: none"> A. Micro seconds B. Mega seconds C. Nano seconds D. Mili seconds
16	A capacitor is perfect in insulator for.	<ul style="list-style-type: none"> A. Alternating current B. Sparking current C. Eddy current D. Direct current
17	How many times, the alpha particle is more massive than electrons.	<ul style="list-style-type: none"> A. 6332 B. 7332 C. 8332 D. 9332
18	The highest value reached by the voltage or current in one cycle is called.	<ul style="list-style-type: none"> A. Peak ot peak value B. Peak value C. Instantaneous value D. Root mean square value
19	The unit of conductivity is:	<ul style="list-style-type: none"> A. $\text{Ohm}^{-3}\text{m}^{-1}$ B. Ohm m^{-1} C. Both a and b D. Ohm m^{-1}
20	If the number of turns become double but length remain same, then magnetic field in the solenoid become.	<ul style="list-style-type: none"> A. Half B. Double C. Remain same D. Zero