Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	The output from a full wave rectifier is	A. An ac voltage B. A dc voltage C. Zero D. A pulsating unidirectional voltage
2	Question Image	D. None of the above
3	The reactance is the ratio of	A. V_{rms}/I_{rms} B. V_{rms} x I_{rms} C. I_{rms}/V_{rms} D. V_{max} x V_{rms}
4	In CRO, the output waveform of time base generator is	A. Circular B. Square C. Sinusoidal D. Saw-toothed
5	Which of the following series of hydrogen spectrum lies in ultra violet region.	A. Lyman sereis B. Paschen series C. Balmar series D. Bracket series
6	A transistor has parts:	A. 2 B. 3 C. 4 D. 5
7	The quantity of U in the naturally occurring uranium is.	A. 0.2% B. 0.3% C. 0.7% D. 0.4%
8	If a step up transformer were 100% efficient the primary and secondary winging's would have the same.	A. Current B. Power C. Voltage D. Direction of winding
9	A positron is a particle having.	A. Mass equal to electron B. Charge equal to electron C. Mass equal to mass of electron but charge opposite to charge of electron. D. Mass equal to proton
10	The physical quantity related to photon, that does not change in Compton scattering is.	A. Energy B. Speed C. Frequency D. Wavelength
11	Compton's effect is associated with	A. gamma rays B. Beta rays C. X rays D. Positive rays
12	Shunt resistance is	A. Low resistance B. Zero resistance C. High resistance D. Impedance
13	Power dissipation in A.C circuit is expressed as:	A. P =I_{rms} x V_{rms} Sinθ B. IxVCosθ C. I_{rms}xV_{rms}Cosθ D. I_{rms} x V_{rms} Sin2θ
14	1 Henry =	A. VSA⁻¹ B. VS⁻¹A⁻¹ C. V⁻¹SA D. VSA⁻²
15	The activity of radioactive sample	A. Is constant B. Increases with time C. Decreases linearly with time

		D. Decreases exponentially with time
16	In case of inductor , energy is stored in the	A. Electric field B. Magnetic field C. Potential field D. Gravitational field
17	Semiconductors have conductivity of order:	A. 10⁻⁸ to 10⁻⁶ (Ωm)⁻¹ B. 10⁻⁶ to 10⁻⁴ (Ωm)⁻¹ C. 10² to 10⁵ (Ωm)⁻¹ D. 10⁻⁵ to 10⁻⁷ (Ωm)⁻¹
18	If a charge Q flows through any cross section of the conductor in time t, the current I is	A. I=Qt B. I= Q/t C. I= Q*t D. I= Q-t
19	Various types of cancer are treated by	A. Carbon -14 B. Nickel -63 C. Cobalt -60 D. Strontium -90
20	The main reason for world wide use of A.C is because:	A. It is very high power B. It can be transmitted over long distance C. It is cheaper to use D. ALl of above