Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Energy band theory is based upon	A. Hund's Rule B. Heisenberg uncertainty principle C. Bohr's atomic Model D. Wave mechanical model
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	What is the co-efficient of mutual inductance, when the magnetic flux changes by 2×10^{-2} Wb, and change in current is 0.01 A?	A. 2 H B. 3 H C. 1/2 H D. Zero
4	Energy produced due to fission of uranium atom is:	A. 500MeV B. 200MeV C. 700MeV D. 750MEV
5	A transistor has:	A. Two regions B. Three regions C. Single regions D. Four regions
6	In RLC series circuit at resonance the phase difference between capacitor and inductor reactance is.	A. 90° B. 270° C. 0° D. 180°
7	When gama rays are emitted, the nuclear mass.	A. Decreases by 4 units B. Does not change C. Increases by 2 units D. Increase by 1 unit
8	If the distance between the two charged bodies is halved, the force between them becomes.	A. Double B. Half C. Four times D. One times
9	The unit of strain is:	A. Nm B. Nm^{-2} C. no unit D. Nm^2
10	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
11	The powers of two electric bulbs are 100w and 200w. Which are connected to power supply of 220 V. The ratio of resistance of their filament will be:	A. 1:2 B. 2:1 C. 1:3 D. 4:3
12	Radius of first Bohr's orbit is.	A. 0.053 nm B. 0.053 mm C. 0.053 micro meter D. 0.053 m
13	Transistor was discovered by	A. Young B. Curie C. John Bardeen D. Shockley

		D. Shale's
14	The magnetic flux will be max, For an angle of:	A. $0°$ B. $60°$ C. $90°$ D. $180°$
15	The first orbit in the hydrogen atom has a radius.	A. 0.53 nm B. 0.053 nm C. 0.0053 nm D. 0.00053 nm
16	The resistance between the inverting (-) and non inverting inputs is called Input resistance and is the order of.	A. Ohms B. Kilo Ohms C. Mega Ohms D. Thounds Ohms
17	In case of capacitor, the unit of reactance is	A. Farad B. Ohm C. Newton D. All of these
18	Impedance is denoted by:	A. A B. Z C. P D. Q
19	Marie Curie and Pierre Curie discovered.	A. Uranium B. Uranium and Radium C. Polonium and radium D. Radium
20	Platinum wire becomes white at a temperature of.	A. $1600^{o}C$ B. $1300^{o}C$ C. $1100^{o}C$ D. $900^{o}C$