

PPSC Physics Mcq's For Full Book

Sr	Questions	Answers Choice
1	Which equation in electromagnetism describe the magnetic field B generated by an electric current.	A. ampere's circuital law B. Bio savart law C. Gauss's law for electromagnetism D. Coulomb's law
2	The near point of a person is 50 cm and his far point is 200 cm The power of the lenses which his spectacles should have to see clearly distant objects will be.	A. -0.5 D B. -10 d C. -1.5 D D. -2.0 D
3	What is the heat required in Kilo joules when the temperature of 100 g of copper is raised through 20 K/. Specific heat capacity of copper is $0.4 \times 10^{-3} \text{ kg}^{-1} \text{ K}^{-1}$	A. 0.4 kj B. 0.8 kj C. 400 kj D. 800 kj
4	The highest efficiency of a heat engine whose low temperature is 17 °C and the high temperature of 200 °C is.	A. 20% B. 30% C. 35% D. 40%
5	Which instrument measures properties of light over a specific portion of the electromagnetic spectrum.	A. Photometer B. Spectrometer C. Hydrometer D. Lactometer
6	The angular speed of an electron in the nth orbit of Bohr's hydrogen atom is.	A. Directly proportional to n B. Directly proportional to n^2 C. Inversely proportional to n D. Inversely proportional to n^2
7	In an accelerated or non - inertial frame of reference the weight of the body depends upon.	A. Acceleration of the frame of reference B. Velocity of the body C. Momentum of the body D. Velocity of the frame of reference
8	A single silicon photovoltaic cell produces a current of the order of.	A. A few miliamperes B. 10^{2} A C. 10^{3} A D. 10^{4} A
9	The materials whose resistivity becomes zero below a certain temperature.	A. Semi conductors B. Super conductors C. Insulators D. conductors
10	The time period of a simple pendulum is independent of its.	A. Length B. Mass C. Acceleration due to gravity D. Restoring force
11	Angular frequency time period and frequency in SHM do not depend upon.	A. Mass B. Force constant C. Amplitude D. All of these
12	In a photocell, certain metals emit electrons for	A. Visible light B. X-rays C. Infrared light D. Ultraviolet light
13	Light rays after passing through is concave lens.	A. Bend away from principal axis B. Bend towards principal axis C. Remain undeviated D. Travel parallel to the principal axis
14	The internal resistance of a primary cell depends upon the.	A. Current dawn form the cell B. Concentration of the solution C. distance between cell electrodes D. All of the above
15	In a galvanometer the enameled copper wire is wound on.	A. An insulator B. A non magnetic material C. A magnetic material D. A permanent magnet

		D. A conductor
16	Plane polarized light can be produced by	A. Reflection B. Refraction C. Scattering of light D. All of these
17	The cathode ray oscilloscope is used	A. For viewing the wave shape of rapidly changing electric current B. As voltmeter C. For measuring time intervals between electrical impulses D. All of the above
18	The actual gas can behave like an ideal gas at	A. Low density and high pressure B. High density and high pressure C. Low density and low pressure D. High density and low pressure
19	A given mass of air occupies 12 m ² at normal atmospheric pressure if the pressure is increased to 4 times the original value without changing the temperature what volume will the air occupy.	A. 3 cm ³ B. 6 cm ³ C. 9 cm ³ D. 12 cm ³
20	Magnetic moment is a	A. Scalar B. Vector C. Phasor D. Tensor