

## PPSC Physics Mcq's For Full Book

Sr	Questions	Answers Choice
1	When the number of turns in the solenoid is doubled without any change in the length of the solenoid its self inductance will be.	A. Halved B. Doubled C. 4 times D. 8 times
2	Mosley's law establishes the x rays fluorescence's of target element with its.	A. Atomic weight B. Atomic number C. Density D. Lattice constant
3	A device consisting two different conductors that produce a voltage proportional to the temperature difference between either end of the pair of conductors is a.	A. Thermistor B. Thermocouple C. Strain gauge D. Potentiometer
4	The gas temperature is increased from 27 °C to 127 °C What is the ratio of mean kinetic energies.	A. 3/4 B. 4/3 C. 9/10 D. 10/9
5	An AND gate is.	A. Equivalent to a series switching circuit. B. Equivalent to a parallel switching circuit C. Equivalent of universal gate D. A reciprocal of NAND gate
6	The amount of heat needed per unit mass to raise the temperature of a system one degree at constant pressure is numerically equal to	A. The specific heat B. The specific thermal energy C. The specific heat at constant pressure D. the internal energy of the gas
7	A rectangular block has length 6 cm, width 5 cm and height 10 cm Its mass is 150 g The density of the block is	A. 0.2 g cm <sup>-3</sup> B. 0.5 g cm <sup>-3</sup> C. 2 g cm <sup>-3</sup> D. 5 g cm <sup>-3</sup>
8	The terminals of a battery are joined by a length of resistance wire Which change on its own will increase the current through the battery.	A. Connecting the wire with plastic insulation B. Covering the wire with plastic insulation C. Using a shorter wire of the same material and the same thickness D. Using a thinner wire of the same material and the same thickness
9	A pulse on the string is inverted when it is reflected from	A. Free end B. Fixed end C. Either of the two D. Rubber cord
10	Which of the following is not SI base unit.	A. kilogram B. Ampere C. Coulomb D. Mole
11	Which of the following phenomenon is caused by the different speeds of light in different optical media.	A. Reflection B. Refraction C. Diffraction D. Total internal reflection
12	The electric current can be defined by its	A. Chemical effect B. Magnetic effect C. Heating effect D. All of these
13	Which of the following electron wavelength is used in electron microscope.	A. Short B. Extremely short C. Large D. Moderate
14	Intensity of the dark bands in interference pattern becomes zero when two waves.	A. Of light are monochromatic B. Are of the same frequency C. Are of the same amplitude D. Are of the same phase

		D. Travel in opposite direction
15	What is a measure of the total energy of a thermodynamics system.	A. Entropy B. Enthalpy C. Randomness D. Chaos theory
16	Bernoulli's equation includes as a special case of.	A. Hook's law B. Torricelli's theorem C. Third law of motion D. Archimedes principle
17	The splitting of atomic energy levels and the associated spectrum lines when the atoms are placed in a magnetic field is called.	A. The photoelectric effect B. The Zeeman effect C. The Compton effect D. Quantum effect
18	What happens to internal energy of a piece of lead when hammered.	A. Increases B. Decreases C. Remains unchanged D. Becomes zero
19	Light produced by a single Nicol is	A. Unpolarized B. Plane polarized C. Circularly polarized D. Elliptically polarized
20	The average amount of energy transported by a wave per unit area per unit time is termed as	A. Wave speed B. Wave intensity C. Wavelength D. Wave amplitude