

PPSC Physics Mcq's For Full Book

Sr	Questions	Answers Choice
1	The charge on a helium nucleus is equal to the charge of.	A. Two electrons B. Two protons C. Two neutrons D. One proton
2	According to Max. Planck, energy is released or absorbed in discrete packets called.	A. quanta B. Meson C. Energy shells D. Position
3	The Circular motion of a particle with constant speed is.	A. Periodic and SHM B. Periodic but not SHM C. linear and SHM D. Neither periodic nor SHM
4	Ohm's law is applicable to	A. Ohmic and non ohmic devices only B. Semiconductors only C. Metals only D. Insulators only
5	When a charged particle is moved through a magnetic field it suffers a change in its.	A. Charge B. energy C. Mass D. direction of motion
6	A mass accelerates uniformly when the resulting force acting on it.	A. is zero B. is constant but not zero C. Increases uniformly w.r.t time D. Is proportional to the displacement of the mass from a fixed point
7	Torque is equal to.	A. The product of magnitude of force and acceleration B. The product of magnitude of force and momentum C. The product of magnitude of force and displacement D. The product of magnitude of force and angular velocity
8	A bulb of 100 W is connected to a 160 V supply What will be the power consumed.	A. 25 W B. 30 W C. 50 W D. 64 W
9	Which of the following is a transport optical element with flat polished surfaces that refract light.	A. Monocole B. Axicon C. Prism D. Lens
10	If the K.E. of a body becomes four times of its initial value the new momentum will be.	A. Half B. Same C. Four time D. Double
11	If we double both the current and the voltage in circuit while keeping its resistance constant the power.	A. Remains unchanged B. Halves C. Doubles D. quadruples
12	The gama rays have	A. Thin tracks B. Thick tracks C. No definite tracks D. Continuous tracks
13	The escape velocity	A. Increases with the increase of the mass of the body B. Depends on the type of body used C. Is independent of mass of the body D. Decreases with the increases of the mass of the body
		A. Capacitor

14	Which electrical component may be used to store electrical energy in a time delay circuit	B. Light dependent resistor C. Resistor D. Thermistor
15	An electrical device is rated at 12 W , 2 A How many 1.5 V batteries are needed in the device.	A. 2 B. 4 C. 6 D. 8
16	Magnetic fields do not interact with	A. Stationary electric charges B. Stationary permanent magnets C. Moving electric charges D. Moving permanent magnets
17	The SI unit of momentum is.	A. kg m s ⁻² B. kg m ² s ⁻² C. kg m s ⁻¹ D. kg s ⁻¹
18	During the projectile motion, the horizontal component of velocity.	A. Changes with time B. Becomes zero C. Does not change but remains constant D. Increases with time
19	The unit of Rydberg constant R is	A. m B. m ³ C. m ⁻¹ D. m ⁻²
20	The venturimeter is an instrument used for measuring the	A. Viscosity of a liquid B. Flow speed of a liquid C. Compressibility of a fluid D. Specific gravity of a liquid