

PPSC Physics Mcq's For Full Book

Sr	Questions	Answers Choice
1	Gases exert pressure on walls of the vessels because gas molecules.	A. Possess momentum B. Have finite volume C. Collide with each other D. Obey gas laws
2	The circular motion of a particles with constant speed is.	A. Periodic and SHM B. Periodic but not SHM C. SHM and not periodic D. Neither periodic nor SHM
3	The spin angular momentum and orbital angular momentum are usually differentiated in terms of.	A. Radius of bodies B. Mass of bodies C. Torques of bodies D. Momentum of bodies
4	The equation of parabola is.	A. $y = bx - ax^2$ B. $x = by - ay^2$ C. $y = ax + bx^2$ D. $x = a - by^2$
5	The wave nature of light was proposed by	A. Thomas Young B. Fresnel C. Maxwell D. Huygen
6	Matter waves	A. Are electromagnetic in nature B. Travel with the speed of light C. Can be diffracted D. Are longitudinal waves
7	X-rays travel with	A. The speed of light B. The speed of sound C. The speed of 3,000 m s ⁻¹ D. The speed of 3,500 m s ⁻¹
8	In any collision between two bodies there need nor the conservation of	A. Linear momentum B. Angular momentum C. Total energy D. Kinetic energy
9	What happens to the intensity or the brightness of the lamps connected in series as more and more lamps are added.	A. Increases B. Decreases C. Remains the same D. Cannot be predicted
10	A rocket propulsion is based on the principle of.	A. Conservation of momentum B. Conservation of mass C. Conservation of energy D. Floatation
11	If length of second pendulum becomes four times than its time period will become	A. Two times B. Four times C. Six times D. Eight times
12	When a person holding a pall is moving in the forward direction, the work done on the pall is	A. Positive B. Negative C. Zero D. Equal to gravity
13	The total number nucleons in a nucleus are called.	A. Mass number B. Atomic number C. Neutron number D. Isotopes
14	A force passing through the centre of gravity of a body	A. Causes its translational motion B. Causes its rotational motion C. Holds the body in equilibrium D. Produces both translational and rotational motion.
15	In order to reduce uncertainty in momentum one must use light of.	A. Short wavelength B. Large wavelength C. Wavelength of intermediate value

16 The presence of a magnetic field can be detected by a
A. Small mass
B. Stationary positive charge
C. Stationary negative charge
D. Magnetic compass

17 Two forces each of 10 N magnitude act on a body If the forces are inclined at 30° and 60° with x-axis, then the x-component of their resultant is.
A. 10 N
B. 1.366 N
C. 13.66 N
D. 1.35 .6 N

18 An active component of an electronic circuit consisting of a small block of semiconducting material to which at least three electrical contacts are made is known as.
A. Rectifier
B. Amplifier
C. Thermocouple
D. Transistor

19 When ever current is drawn from a cell Its terminal potential difference and emf become
A. Different
B. Same
C. Zero
D. Negative

20 In the experiment of production of x rays electrons are accelerated towards the anode by
A. Thermionic emission
B. Potential difference
C. Breaking potential
D. Cut off current
