

PPSC Physics Mcq's For Full Book

Sr	Questions	Answers Choice
1	Which of the following is the ideal gas equation.	A. $PV = nRT$ B. $P/V = nRT$ C. $V/P = nRT$ D. $PV = T/nR$
2	When a ray of light travelling in a denser medium enters into a rarer medium.	A. It remains undeviated B. It is reflected back C. It bends towards the normal D. It bends away from the normal
3	Charge to mass ration of an electron is determined by using the relation.	A. $e/m = B/rv$ B. $e/m = r/vB$ C. $e/m = V/Br$ D. $e/m = v/r$
4	Magnetic moment is a	A. Scalar B. Vector C. Phasor D. Tensor
5	There are how many types of forces or interactions.	A. Two B. Three C. Four D. Five
6	Arthur Holly Compton was awarded Nobel prize in.	A. 1923 B. 1927 C. 1931 D. 1934
7	The decay to form other nuclides by emitting particles and electromagnetic radiations by unstable nuclides is called.	A. Nuclear stability B. Radioactivity C. Carbon dating D. Spontaneously
8	Drag force between two layers under consideration depends on	A. Distance between the layers B. Surface area of layers C. Relevant velocity between them D. All of the above
9	An electric current in conductors is due to the flow of.	A. Positive ion B. Negative ion C. Positive charges D. Free electrons
10	A charge less region which separates p-type and n-type semiconductors in a p-n junction is known as.	A. Polar region B. Null region C. Depletion region D. Neutral region
11	A galvanometer can be converted into voltmeter by connecting in series with the galvanometer a	A. Low resistance B. High resistance C. Resistance of intermediate range D. Shunt
12	Commutator was invented in	A. 1820 B. 1830 C. 1834 D. 1840
13	An instrument used to find the direction of the earth's magnetic field is known as.	A. Magnetometer B. Electroscope C. Cyclotron D. Particle accelerator
14	Out of the following pairs, which one does not have the same dimensions.	A. Force and weight B. Pressure and stress C. Energy and work D. Momentum and torque
15	When we decrease the diameter of the objective lens of a telescope the resolution of telescope	A. Increases B. Decreases C. Remains the same D. Depends upon the focal length of

16 In annihilation of matter, positron and electron pair disappears into two
A. Alpha particles
B. Beta particles
C. Gamma particles
D. X-rays

17 A radiation spectrum which is continuously distributed over a frequency region without being broken up into lines or bands is known as.
A. Continuous spectrum
B. Band spectrum
C. discrete spectra
D. Absorption spectrum

18 Temperature changes when two balls collide which one of the following is conserved.
A. Angular momentum
B. linear momentum
C. Velocity
D. Kinetic energy

19 If pressure and temperature of an ideal gas is doubled and volume is halved, the number of the gas molecules.
A. Become half
B. Remain constant
C. Become double
D. Become three times

20 A spring of force constant k is cut into three equal parts. The force constant of each part will be.
A. k
B. $3k$
C. $k/3$
D. $k/2$
