

PPSC Physics Mcq's For Full Book

Sr	Questions	Answers Choice
1	The best instrument used for the measurement of emf of a cell a	A. A voltmeter B. An ammeter C. A potentiometer D. Wheatstone bridge
2	The Rutherford atom according to classical theory is	A. Stable B. Unstable C. Partially stable D. Quantized
3	A magnetic field is said to exist at a point if	A. A force is exerted on a charge placed at that point B. A magnetic pole exists at that point C. An ampere current loop surrounds the point D. A force not felt by a static charge acts on a moving charge placed at that point
4	The pressure of a gas is directly proportion to	A. Mean velocity of the molecules B. Mean square velocity of the molecules C. Root mean square velocity of the molecules D. Instantaneous velocity of the molecules
5	The distribution of electrical charge in an object caused by the influence of nearby charges is called.	A. Electric potential B. Electrostatic induction C. Electric flux D. Electric dipole moment
6	An operational amplifier can be used as a	A. Comparator B. Night switch C. Inverting and non inverting amplifier D. All of the above
7	Why are charged capacitors dangerous.	A. They can leak a harmful chemical B. They can cause loss of vision C. They can release a lethal charge D. They can release gamma rays.
8	When heat is supplied to a metallic sphere which one of the following changes will occur.	A. the mass of the sphere increases B. The volume of the sphere increases C. The density of the sphere increases D. The internal energy of the sphere increases
9	The maximum distance between an object and its real image in case of a convex lens is	A. f B. $2f$ C. $2.5 f$ D. $4 f$
10	How does positive feedback affect an amplifier.	A. Increases the voltage gain B. Decreases the voltage gain C. Initiates oscillation to occur D. Damages it
11	Charge carriers in thermocouples are.	A. Anions B. Cations C. Electrons D. Protons
12	A capacitor is connected to a battery. The force of attraction between the plates when the separation between them is halved will	A. Remain the same B. Become twice C. Become 4 times D. Become 8 times
13	Cs - 137 is a radioisotope used to determine the thickness of the walls of steel pipes. Cs 137 is chosen because it emits	A. Radiowaves B. Alpha particles C. Beta particles D. gamma particles

14	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
15	Which statement is true about the Magnetic poles.	A. Unlike poles repel B. Like poles attract C. Magnetic poles do not effect each other D. A single magnetic pole does not exist
16	Light year is a unit of	A. Light B. Velocity C. Time D. Distance
17	Transformer make possible the	A. transmission of A.C. power B. conversion of AC and D.C C. Cyclotron D. Particle accelerator
18	Frequency of second pendulum is.	A. 0.5 Hz B. 1.0 Hz C. 1.5 Hz D. 2.0 Hz
19	Which of the following is nearly monochromatic	A. Light from sodium lamp B. Light from candle C. Light from gas lamp D. Light from sun
20	Absolute P.E. of a body can be calculated	A. At centre of the earth B. Below centre of the earth C. From surface of the earth D. Below surface of the earth