

## PPSC Physics Mcq's For Full Book

Sr	Questions	Answers Choice
1	Inserting a dielectric between the plates of a charged parallel plate capacitor.	A. Decrease the capacitance B. Leaves the capacitance the same C. Encourages breakdown between the plates D. Reduces the electric intensity between the plates
2	Thermocouple is combination of.	A. Thermocouples B. Capacitors in parallel C. Resistors in series D. Ammeter and voltmeter
3	In a Geiger Marsden experiment why do the great majority of the Alpha particles pass straight through the metal foil.	A. Atomic nuclei may contain neutrons B. Atoms are electrically neutral C. Atoms are largely empty space D. Atoms have positively charged nuclei
4	The background radiation in the atmosphere on the average is	A. 0.5 Sv per year B. 1.0 Sv per year C. 1.5 Sv per year D. 2.0 Sv per year
5	The force experienced by a unit positive charge at that point placed in an magnetic field is known as.	A. Electric field intensity B. Electric flux C. Electric potential D. Electric dipole
6	Which of the following is the ideal gas equation.	A. $PV = nRT$ B. $P/V = nRT$ C. $V/P = nR/T$ D. $PV = T/nR$
7	Ethanol is a replacement of	A. Gasoline oil B. Kerosene oil C. Refinery oil D. vegetable oil
8	A wave that remains in a constant position is called.	A. Standing wave B. Transverse wave C. Shock wave D. Longitudinal wave
9	A rocket propulsion is based on the principle of.	A. Conservation of momentum B. Conservation of mass C. Conservation of energy D. Floatation
10	A substance which has empty conduction band.	A. Insulator B. Conductor C. Semi conductor D. super conductor
11	The work required to lift a ball of mass 'm' from the surface of the earth to an infinite distance is	A. Absolute P.E. of the body B. P.E of the body C. K.E. of the body D. Chemical energy of the body
12	One gray is equal to.	A. $1 \text{ J}^{-1} \text{ kg}^{-1}$ B. $1 \text{ J}^{-1} \text{ kg}^{-2}$ C. $1 \text{ J} \text{ kg}^{-1}$ D. $1 \text{ j} \text{ kg}^{-2}$
13	Alpha particles are	A. Helium nuclei B. sodium nuclei C. ionized nuclei D. Hydrogen nuclei
14	Which of the following devices can be used to produce both transverse and longitudinal waves.	A. A string B. A ripple tank C. a helical spring D. A turning fork

15	Which one of the following is not a dimensionless quantity.	A. Radian B. pi C. Decibel D. Force
16	As a positively charged rod is brought closer and closer to a positively charged electroscope the gold leaf.	A. diverges B. Converges C. is neutralized D. Is unaffected
17	Certain gas are called permanent gases because.	A. They cannot be liquified B. They are perfect gases C. The critical temperatures are low D. their boiling points are low
18	If an elevator is moving vertically up with an acceleration 'a' the force exerted on the floor by a passing of mass 'm' is	A. Ma B. Mg C. M(g +a) D. M (g-a)
19	The property of a material to return to it original shape and size on the removal of an external force is called.	A. Stress B. Strain C. Toughness D. Elasticity
20	The dimensions of force are.	A. [MLT-2] B. [MLT-1] C. [M,-1T-2] D. [M-2T-2]