

PPSC Physics Mcq's For Full Book

Sr	Questions	Answers Choice
1	If the specific latent heat of vaporization of oxygen is 214 kJ kg ⁻¹ how much heat will be absorbed when 3.0 kg of oxygen is boiled off at its boiling point.	A. 14 kJ B. 64 k J C. 140 kJ D. 642 k j
2	In an Isolated system , total energy of the vibrating's mass and spring is	A. Low B. High C. Constant D. Variable
3	The reciprocal of decay constant lamda of a radioactive element is.	A. Half life B. Mean life C. Total life D. Curie
4	Which of the following is an electrostatic generator.	A. Winshurst machines B. Van de Graff generator C. Electrophorus D. All of the above
5	What is emitted by the hot metal filament in a cathode ray tube.	A. Alpha particles B. Electrons C. Protons D. X rays
6	A car is travelling with uniform acceleration the road has check posts every 100 m When the car passes one post , it has a speed of 10 m s ⁻¹ and when passes the next one its speed is 20 ms ⁻¹ What is the cars acceleration.	A. 0.67 m s ⁻² B. 1.5 m s ² C. 2.5 m s ⁻² D. 6.0 m s ⁻²
7	The tunnel effect makes possible	A. Alpha decay B. Gama rays C. Positive Beta decay D. negative Beta dacy
8	X-rays are	A. Longitudinal wave B. Transvers waves C. Secondary waves D. Fast sound waves
9	Wave motion in air consist of	A. Longitudinal waves B. Transverse waves C. Seismic waves D. Polarized waves
10	The total number nucleons in a nucleus are called.	A. Mass number B. Atomic number C. Neutron number D. Isotopes
11	A body of mass 2 kg attached to a spring is pulled to a distance of 4 cm What will be the value of spring constant K.	A. 490 N m ⁻¹ B. 980 N m ⁻¹ C. 1260 N m ⁻¹ D. 1960- N m ⁻¹
12	The unit Planck's constant is equivalent to that of.	A. Energy B. Force C. Velocity D. Angular momentum
13	Which of the following is a clinical thermometer.	A. Gas thermometer B. Mercury thermometer C. Alcohol thermometer D. Radiation thermometer
14	Sound wave in air are	A. Longitudinal waves B. Transvers waves C. Electromagnetic waves D. Matter waves
15	To reduce spherical aberration in optical instruments which of the following should be used.	A. Plano convex lenses B. Concave lenses C. Spherical mirrors D. Plane mirrors

16	In a photocell, certain metals emit electrons for	A. Visible light B. X-rays C. Infrared light D. Ultraviolet light
17	Which property of waves is independent of the others.	A. Amplitude B. Velocity C. Frequency D. Wavelength
18	In an induction coil, the secondary emf is.	A. Zero at the break of the circuit B. Zero during make of the circuit C. Very high during make of the circuit. D. Very high during break of the circuit
19	The number of molecules or atoms in a specific volume of a gas is independent of their	A. Volume B. Pressure C. Size D. Temperature
20	The bending of light when it enters a medium	A. Reflection B. Refraction C. Diffraction D. Total internal reflection
