

PPSC Physics Mcq's For Full Book

Sr	Questions	Answers Choice
1	The existence of antiparticle was discovered by	A. Wilson B. Anderson C. Dirac D. Stefan
2	Which kind of thermodynamic process is defined as with no heat transfer into or out of a system i.e. $Q = 0$	A. Isobaric process B. Isochoric process C. Isothermal process D. Adiabatic process
3	Direct current generators use.	A. Coiled rings B. Split rings C. slip rings D. solenoid rings
4	The phase difference between the particles vibrating's between two consecutive nodes is.	A. 0 B. $\lambda / 2$ C. 2 D. 2 λ
5	The velocity of light was determined accurately by	A. Newton B. Huygen C. Michelson D. Young
6	Maximum detail of an object can be seen by a microscope when the object is illuminated by light of.	A. Longer wavelength B. Shorter wavelength C. X-rays D. Gamma rays
7	The chain reaction is controlled by a series of rods usually made of.	A. uranium B. Cadmium C. Boron D. Steel
8	If an elevator is moving vertically up with an acceleration 'a' the force exerted on the floor by a mass 'm' is	A. Ma B. Mg C. $M(g + a)$ D. $M(g - a)$
9	The focal length of a thin converging lens is 10 cm. What is the maximum distance from the lens that the object can be placed so that the lens acts as a magnifying glass.	A. 5 cm B. 10 cm C. 15 cm D. 20 cm
10	A dry battery can deliver 3,000 J energy to a small 2 W electric motor before the battery is exhausted. For how many minutes does the motor run.	A. 20 minutes B. 25 minutes C. 75 minutes D. 125 minutes
11	If the resultant of all the forces acting on a body is zero then the body is in	A. Translation equilibrium B. Rotational equilibrium C. Equilibrium D. Dynamic equilibrium
12	A metallic rod is continuously heated at its two ends, The heat flowing through the rod does not depend upon.	A. Mass of the rod B. Area of cross section of the rod C. Temperature gradient between two ends D. Time for which heat flows through the rod
13	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
14	The process in which no heat enters or leaves the system is called.	A. Isobaric B. Isochoric C. Isothermal D. Adiabatic

15	In which of the following the loss of energy is less.	A. Direct current B. Alternating current C. Thermoelectricity D. Photoelectricity
16	Who developed the first atomic reactor.	A. Bohr B. Fermi C. Rutherford D. Taylor
17	A person of height 1.5 m stands 2.0 m in front of a plane mirror How far from the person is her image .	A. 2.0 m B. 3.0 m C. 3.5 m D. 4.0 m
18	A 100 kg box is pulled 10 m across a frictionless horizontal surface by a 50 N force The change in the P.E. of the box a	A. 0 J B. 2 J C. 20 J D. 50 J
19	The speed of the charging or discharging a capacitor depends upon the product of resistance and.	A. Current B. Voltage C. Capacitance D. Potential difference
20	The result of the alpha particle scattering experiment gave evidence for which of the following.	A. Nuclear fusion B. Radio active decay C. Existence of isotopes D. Nuclear atom