

PPSC Physics Mcq's For Full Book

Sr	Questions	Answers Choice
1	The total energy of the hydrogen atom is	A. zero B. Infinite C. positive D. Negative
2	The net charge on a condenser is	A. Zero B. Q/2 C. 2Q D. Infinity
3	If the number of gas molecules in a cubical vessel is increase from N to 3 N then its pressure and total energy will be.	A. Half B. Three times C. Double D. Four times
4	Which form of electromagnetic radiation is used in RADAR.	A. Long wavelength ultraviolet waves B. short wavelength microwaves C. short wavelength infrared wave D. Long wavelength radiowaves
5	Thermodynamics concern its primary with the	A. Measurement of quantity of heat B. Physical effects of temperature changes C. Conversion of heat into other energy forms D. Behavior of gases
6	The capacitance of a capacitor increases with a decreases in.	A. Plate area B. Permittivity C. Plate separation D. Dielectric constant
7	Cobalt -60 is a radioactive element with half life of 5.25 years. What fraction of the original sample will be left after 26 years.	A. 1/4 B. 1/8 C. 1/16 D. 1/32
8	In scientific notation 0.0003 can be written as.	A. 3×10^{4} B. 3×10^{-4} C. 3.0×10^{3} D. 3.0×10^{-3}
9	The strength per unit volume of a solid is called.	A. shear stress B. Shear strain C. Bulk strength D. Bulk modulus
10	When a platinum wire is heated of 1600 °C, it becomes	A. orange B. Cherry red C. Dull red D. White
11	An ice making machine extracts energy at the rate of 500 W The specific latent heat of fusion of ice is 300 kj kg ⁻¹ . How long does it take to freeze 2 kg of water at 0 oC.	A. 120 s B. 150 s C. 1200 s D. 1500 s
12	When a body is lifted through a height 'h' the work done on the body appears in the form of.	A. K.E B. P.E C. Heat D. Density
13	In case of stationary waves every particle of the medium has fixed	A. Velocity B. Displacement C. Amplitude D. Phase
14	Two simple pendulums of the same length but having different masses	A. Have different frequencies B. Will have period proportional to their masses C. Will have periods independent of their length D. Have the same period
		A. 0

- 15 A wave reflected from the boundary of a rarer medium will have phase change
- B. 60°
C. 90°
D. 180°
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- 16 The emission of photons by a metal when electrons are incident is called.
- A. Photo electric effect
B. Pair production
C. X-rays production
D. Gama ray production
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- 17 A rocket propulsion is based on the principle of.
- A. Conservation of momentum
B. Conservation of mass
C. Conservation of energy
D. Floatation
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- 18 A man of mass 100 kg is standing in an elevator. The net force acting on the man reads its weight when the elevator is going up with acceleration 4 m s^{-2} would be.
- A. 100 N
B. 590 N
C. 490 N
D. 980 N
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- 19 A slow neutron can cause fission in
- A. Uranium -238
B. Uranium-235
C. Hydrogen-1
D. Thorium -232
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- 20 The force that moves a rocket or a plane forward is called.
- A. Lift
B. drag
C. Thrust
D. Turbulence