

PPSC Physics Mcq's For Full Book

Sr	Questions	Answers Choice
1	Spherical aberration can be removed by using	A. Concave lens B. Convex lens C. By limiting the number of rays using a stopper D. By using a concave convex lens
2	The temperature which is the same in °C and °F is.	A. -20 B. -40 C. 20 D. 40
3	Arthur Holly Compton was awarded Nobel prize in.	A. 1923 B. 1927 C. 1931 D. 1934
4	At high altitudes, the blood flows out of nose and ear because.	A. Blood pressure increase at high altitudes B. Percentage of oxygen in the air increase C. Atmospheric pressure decreases there D. Density of blood decreases of high altitudes
5	A boat moving at constant speed 'v' through still water experiences a total frictional drag F what is the power developed by the boat.	A. $\frac{1}{2} Fv$ B. Fv C. $\frac{1}{2} Fv^2$ D. Fv^2
6	Pressure of a gas depends upon	A. Only on the molecular speed B. Only on the speed of molecules on a unit volume C. Only on the mass of molecules D. Number of molecules mass and speed in a unit volume
7	The force applied on unit area of a body to produce any change in shape volume or length is known as.	A. Strain B. Stress C. Tensile strain D. Tensile stress
8	A force of 10 N acting on a certain spring produces an extension of 40 mm Two such spring are connected end to end and this double length spring is extended by 40 mm What is the strain energy.	A. 0.05 J B. 0.10 J C. 0.20 J D. 0.40 J
9	When a man jumps off the ground, the reaction force of the ground is.	A. Equal to the weight of the man. B. Smaller than the weight of the man C. Greater than the weight of the man D. Zero
10	Which of the following characteristics of a wave is independent of the others.	A. speed B. Frequency C. Amplitude D. Wavelength
11	Echoes arise from	A. Reflection B. Refraction C. Diffraction D. Dispersion of sound waves
12	The phase angle between the voltage and current is A.C. circuit through a resistor is.	A. 0° B. 45° C. 90° D. 180°
13	The radius of first Bohr's orbit for hydrogen atom is.	A. 0.53 m B. 0.53 nm C. 0.053 nm D. 0.53 mm
14	In which device is a permanent magnet used	A. An electric bell B. An electromagnet C. A transformer D. A relay

		C. A plotting compass D. A relay
15	Torque is equal to.	A. The product of magnitude of force and acceleration B. The product of magnitude of force and momentum C. The product of magnitude of force and displacement D. The product of magnitude of force and angular velocity
16	Any frequency higher than the fundamental frequency of a sound is known as.	A. Overtone B. Beat C. Acoustics D. Shockwaves
17	The term radius of gyration relates to.	A. Moment of force B. Moment of inertia C. Law of gravitation D. simple harmonic motion
18	If the gas pressure is increased then its mean free path becomes.	A. More B. Zero C. Infinite D. Less
19	Mean free path of gas molecules is inversely proportional to its.	A. Weight B. Temperature C. Pressure D. Volume
20	All particles, of a wave front vibrate	A. In same phase B. In opposite phase C. Upward down D. Left and right