

PPSC Physics Mcq's For Full Book

Sr	Questions	Answers Choice
1	What is the represented by the area inside the Carnot cycle.	A. Heat taken to increase the body temperature. B. Energy loss due to leakage C. Useful work done D. Heat rejected by the system
2	The binary equivalent of 25 is	A. 111001 B. 11001 C. 1001 D. 10101
3	Which quantity remains fixed in isobars.	A. Mass number B. Atomic number C. Number of neutrons D. Number of protons
4	The gravitational potential inside a hollow spherical shell	A. Increases from zero at the centre to the maximum value at the surface B. Is zero throughout the interior C. Decreases from the centre D. Is uniform throughout the interior
5	The temperature which is the same in °C and °F is.	A. -20 B. -40 C. 20 D. 40
6	The energy equivalent of 1 kg of matter a	A. 10^{15} J B. 1 J C. 10^{12} J D. 10^{17} J
7	The electric bulb does not obey Ohm's law because.	A. Current changes B. Resistance changes C. Heat is produced D. All of these
8	The magnifying power of a convex lens of focal length 5 cm is	A. 3 B. 5 C. 6 D. 20
9	Which of the following is standard scale of temperature	A. Mercury scale B. Platinum resistance scale C. Gas scale D. Alcohol scale
10	If pressure and temperature of an ideal gas is doubled and volume is halved, the number of the gas molecules.	A. Become half B. Remain constant C. Become double D. Become three times
11	What happens to Carnot efficiency if the source temperature increases.	A. Decreases B. Increases C. Remain the same D. Becomes zero
12	If the pressure in a closed vessel is reduced by drawing some gas the mean free path of the gas molecules.	A. Decreases B. Remains constant C. Increases D. First increases then decreases
13	The induced current in a circuit can be increased by	A. Using a strong magnetic field B. Moving the loop faster C. Replacing the loop by a coil of many turns D. All of the above
14	On average there is no energy transfer in.	A. Sound waves B. Water waves C. Standing waves D. Mechanical waves
		A. Inversely as the distance

15	Coulomb found that the mutual force between two electric charges varies.	B. Inversely as the square of the distance C. directly as the distance D. Directly as the distance squared
16	The phase difference between the particles vibrating between two consecutive nodes is.	A. 0 B. $\lambda/2$ C. λ D. 2λ
17	Who was the author of Mathematical principles of Natural philosophy.	A. Kepler B. Einstein C. Max Planck D. Newton
18	The moment of linear momentum is called.	A. Torque B. Couple C. Impulse D. Angular momentum
19	Reverberation is the	A. Presence of large number of overtones B. presence of harsh and discordant notes C. Presence of ultrasonic vibrations D. Persistence of audible sound after the source has stopped
20	The interference between two sounds of slightly different frequency is	A. shock wave B. Beats C. Sonic boom D. Doppler's effect