

Physics ICS Part 1 Chapter 11 Online Test

Sr	Questions	Answers Choice
1	S.I Unit of pressure of gas is.	A. Nm B. N.m C. N ² /m D. N ³ m
2	The SI unit of product of pressure and volume is.	A. _{Watt} B. Joule C. Pascal D. Newton
3	The ideal gas law is.	A. PV =NVk B. P = NkT C. PV =nRT D. P=nRT
4	Heat is form of.	A. Power B. Momentum C. Energy D. Torque
5	A device based upon the thermodynamics property of matter is called.	A. Calorimeter B. Heat engine C. thermometer D. Voltmeter
6	Average translational K.E. of molecules for an ideal gas is given as	A. 1/2 KT B. KT C. 2/3 KT D. 3/2 KT
7	For a gas obeying Boyle's Law, if the pressure is doubled, the volume becomes.	A. Double B. Three fold C. One half D. Remains the same
8	The energy processes, we use are	A. Efficient B. Not efficient C. Reversible D. None of these
9	The efficiency of any heat engine can never be	A. +ve B. 100% C. -ve D. None of these
10	The unit o pressure of gas is	A. Nm⁻² B. Pascal C. Atmosphere D. All of these
11	Which of following is irreversible process	A. Slow compression of an elastic spring B. Slow evaporation of substances in isolated vessel C. Slow expansion of a gas D. A chemical explosion E.
12	First law of thermodynamics can be defined by the equation	
13	The molecules of an ideal gas exert	A. Force on each other B. No force on each other C. Large force on each other D. Pressure on each other
14	The kinetic energy of molecules of an ideal gas at absolute zero is	A. Very low B. Very high C. Zero D. First increases then decreases
15	Pressure 'P' of a gas is defined as	A. F/A B. FA C. F/V D. F/D

16	The temperature of human body on Kelvin scale is	A. 210K B. 310K C. 410K D. 510K
17	Mercury is used as a thermometric substance because	A. It is opaque B. Does not stick to glass C. Has low specific heat D. All of these