Physics ICS Part 1 Chapter 6 Online Test

Sr	Questions	Answers Choice
1	K = R/NA , Where k is called.	A. Rydsberg constant B. Boltzmann constant C. Stefan constant D. Planck's constant
2	What can be calculated from the curve under PV graph.	A. Heat B. Work done C. Temperatures D. Internal energy
3	In reversible cyclic process the change in entropy of system.	A. Remains constant B. Increase C. Decrease D. Becomes zero
4	Chagne in entropy is maximum when temperature of source is that.....of sink	A. Greater than B. Less than C. Equal to D. Zero
5	The chagne in inernal energy is defined as.	A. Q- W B. Q- T C. Q+ P D. Q - P
6	Collision between gas molecules are perfectly C	A. Elastic E B. Inelastic C. Neither elastic nor inelastic D. All of these
7	KE of molecules of an ideal gas at absolutely zero will be	A. 0 B. Infinite C. Very High D. Below zero
8	According to kinetic theory of gases, a a finite volume of a gas consts of very	A. Large numebr of molecules B. Small number ofmolecules C. Both a and b D. Large no of ions L
9	When th systme is expanded by additing heat energy, then the work done will be	A. Postive and on the system B. Negative and on the system C. Postive and by the system D. Negative and by the system
10	Thermodynamics mostly deals with.	A. Measuremetn of quantity B. Transfer of quantity of heat C. Change of state D. Conversion of heat to other forms of energy
11	According to kinetic theory of gases, the size of the molecule is.	A. Much smaller than the separation between molecule M B. Much larger than the separation btween molecules C. Botha a and b D. Much larger ahtn the separation between atom

12	A device which covnerts thermal eergy into mechanical energy is called.	A. Turbine B. Heat engine C. Carnot engine D. Rerigerator
13	SI unit of entropy is	A. J/Kg B. J/K C. K gms-1 D. JK
14	Adiabatic change occurs hen the gas expands or compressed.	A. Rapidly B. Slowly C. Gradually D. Moderately
15	When two obnects are made in thermal contact heaving same temperature then they are at.	A. Thermal Equilibrium B. Chemical equilibrium C. Mechanicla Equilibrium D. Physical Equilibrium
16	'R' is called	A. Universal constant B. Universal per molecule constant C. Universal gas constant D. All of the above
17	Which is not exmple of ddiablatic process.	A. Rapid escape of air from burst tyre B. Rapid expansion of air C. Conversion of water into ice in refrigerator D. Cloud formation in the atmosphere
18	Effeciency of a carnot engine is.	A. Infinite B. Ten C. Greater than 1 D. Less Than
19	When hot and cold water are mixed the entropy	A. Decrease B. Increase C. Remains constant D. Zero
20	Boyle's law states that " The volume of a given mass of a gas is....."	A. Directly proportional to absolute temperature B. Invesely proportional to absolute temperature C. Directly proportional to density D. Inversely proportional topressure