Physics ICS Part 1 Chapter 6 Online Test

Sr	Questions	Answers Choice
1	When hot and cold water are mixed the entropy	A. Decrease B. Increase C. Remains constant D. Zero
2	K = R/NA , Where k is called.	A. Rydsberg constant B. Boltzmann constant C. Stefan constant D. Planck's constant
3	SI unit of entropy is	A. J/Kg B. J/K C. K gms-1 D. JK
4	Internal energy of a substance, is directly proportional to	A. T B. V C. W D. P
5	In an isothermal chagne, internal energy.	A. Decrease B. Increase C. Remain same D. Becomes zero
6	In reversible cyclic process the change in entropy of system.	A. Remains constant B. Increase C. Decrease D. Becomes zero
7	The gas molecule sare in	A. Linear motion B. Random Motion C. Brownian motion D. Circulatory motion
8	In all natural prcoessees where heat flow from one system to another there is always a net increase in	A. Pressure B. Entropy C. Work D. Volume
9	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
10	No entrpy chagne is associated with	A. isothermal process B. Adiabatic process C. Isobaric process D. Isochoric process
11	Internal energy is similar to the	A. Vibrational K.E. B. Gravitational P.E. C. K.E. D. All of these
12	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

13	Chagne in entropy is maximum when temperature of source is that.....of sink	A. Greater than B. Less than C. Equal to D. Zero
14	Collision between gas molecules are perfectly C	A. Elastic E B. Inelastic C. Neither elastic nor inelastic D. All of these
15	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
16	What can be calculated from the curve under PV graph.	A. Heat B. Work done C. Temperatures D. Internal energy
17	Effeciency of a carnot engine is.	A. Infinite B. Ten C. Greater than 1 D. Less Than
18	The efficiency of carnot eninge is always.	A. Greater than real engine B. Less than real engine C. Equal to the real engine D. Both a and b
19	Entropy of a system in reversibel process	A. Fluctuates B. Increases C. Is infinite D. Decrease
20	First law of thermodynamics is based upon law of conservatio of.	A. Mass B. Momentum C. Energy D. Charge