Physics ICS Part 1 Chapter 6 Online Test

Sr	Questions	Answers Choice
1	What can be calculated from the curve under PV graph.	A. Heat B. Work done C. Temperatures D. Internal energy
2	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
3	In carnot engine, each process is.	A. Reversible B. Preferable Reversible C. Irreversible D. Perfectly irreversible
4	Internal energy is similar to the	A. Vibrational K.E. B. Gravitational P.E. C. K.E. D. All of these
5	When hot and cold water are mixed the entropy	A. Decrease B. Increase C. Remains constant D. Zero
6	In reversible cyclic process the change in entropy of system.	A. Remains constant B. Increase C. Decrease D. Becomes zero
7	In an isothermal chagne, internal energy.	A. Decrease B. Increase C. Remain same D. Becomes zero
8	A device which covnerts thermal eergy into mechanical energy is called.	A. Turbine B. Heat engine C. Carnot engine D. Rerigerator
9	Pressure of a gas is directly proportional to average.	A. Potential energy B. Rotational energy C. Translation K.E D. Compressed P.E.
10	Adiabatic change occurs hen the gas expands or compressed.	A. Rapidly B. Slowly C. Gradually D. Moderately
11	Internal energy of a substance, is directly proportional to	A. T B. V C. W D. P
12	The process in which no heat enters or leaves the system is known as.	A. Isothermal process B. Adiabatic process C. Isochoric process D. Isobaric process
13	The efficiency of carnot engine depends upon	A. Sink temperature B. Source temperature C. Both a and b D. The working substance
14	What happens to internal energy of an object when its temperature.	A. Decreses B. Increases I C. Fluctuates

		 D. Remains Constant
15	K = R/NA , Where k is called.	A. Rydsberg constant B. Boltzmann constant C. Stefan constant D. Planck's constant
16	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
17	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
18	SI unit of entropy is	A. J/Kg B. J/K C. K gms-1 D. JK
19	First law of thermodynamics is based upon law of conservatio of.	A. Mass B. Momentum C. Energy D. Charge
20	The sum of all forms of molecular energies of substance is termed as	A. Kinetic energy B. Potential energy C. Internal energy D. Heat energy