Physics ICS Part 1 Chapter 6 Online Test

Sr	Questions	Answers Choice
1	Chagne in entropy is maximum when temperature of source is that.....of sink	A. Greater than B. Less than C. Equal to D. Zero
2	An addition of 400 J of heat casues the increase in internal energy of system is equal to 300 J, then work done will be	A. 100 J B. 200J C. 300 J D. 400 J
3	What can be calculated from the curve under PV graph.	A. Heat B. Work done C. Temperatures D. Internal energy
4	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
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	The gas molecule sare in	A. Linear motion B. Random Motion C. Brownian motion D. Circulatory motion
8	Carnot Cycle is	A. Reersible B. Irreversible C. Both D. Cp - Cv = R
9	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
10	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
11	What one is not an isothermal change.	A. Melting of solid B. Bioling of liquid C. Bursting of bicycle tyre D. Slow expansion of gas
12	The process which is carried out at constant temperature is called.	A. Adiabatic process B. Isothermal process C. Isochoic process D. Isobaric process

13	Work done by the system is takn as	A. Positive B. Negative C. Undefined D. None of these
14	A device which covnerts thermal eergy into mechanical energy is called.	A. Turbine B. Heat engine C. Carnot engine D. Rerigerator
15	The efficiency of carnot engine depends upon	A. Sink temperature B. Source temperature C. Both a and b D. The working substance
16	A system does 600 J of work and at the same time has its internal energy increased by 320 J. How much heat has been supplied.	A. 920 J B. 280 J C. 600 J D. 200 J
17	Adiabatic change occurs hen the gas expands or compressed.	A. Rapidly B. Slowly C. Gradually D. Moderately
18	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
19	In an adiabatic process, there is no.	A. Change in temperature B. Exchagne of heat C. Chagne is internal energy D. Work done
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