Physics ICS Part 1 Chapter 6 Online Test

Sr	Questions	Answers Choice
1	In an adiabatic process, there is no.	A. Change in temperature B. Exchagne of heat C. Chagne is internal energy D. Work done
2	First law of thermodynamics is based upon law of conservatio of.	A. Mass B. Momentum C. Energy D. Charge
3	No entrpy chagne is associated with	A. isothermal process B. Adiabatic process C. Isobaric process D. Isochoric process
4	K = R/NA , Where k is called.	A. Rydsberg constant B. Boltzmann constant C. Stefan constant D. Planck's constant
5	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
6	When hot and cold water are mixed the entropy	A. Decrease B. Increase C. Remains constant D. Zero
7	The efficiency of carnot engine depends upon	A. Sink temperature B. Source temperature C. Both a and b D. The working substance
8	KE of molecules of an ideal gas at absolutely zero will be	A. 0 B. Infinite C. Very High D. Below zero
9	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
10	What can be calculated from the curve under PV graph.	A. Heat B. Work done C. Temperatures D. Internal energy
11	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
12	In reversible cyclic process the change in entropy of system.	A. Remains constant B. Increase C. Decrease D. Becomes zero
13	Entropy of a system in reversibel process	A. Fluctuates B. Increases C. Is infinite D. Decrease

14	Pressure of a gas is directly proportional to average.	A. Potential energy B. Rotational energy C. Translation K.E D. Compressed P.E.
15	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
16	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
17	Adiabatic change occurs hen the gas expands or compressed.	A. Rapidly B. Slowly C. Gradually D. Moderately
18	The chagne in inernal energy is defined as.	A. Q- W B. Q- T C. Q+ P D. Q - P
19	No entropy change is associated with	A. Isothermal process B. Adiabatic process C. Isobaric process D. Isochoric process
20	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