Physics ICS Part 1 Chapter 6 Online Test

Sr	Questions	Answers Choice
1	In reversible cyclic process the change in entropy of system.	A. Remains constant B. Increase C. Decrease D. Becomes zero
2	Carnot Cycle is	A. Reersible B. Irreversible C. Both D. Cp - Cv = R
3	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
4	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
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	Chagne in entropy is maximum when temperature of source is that.....of sink	A. Greater than B. Less than C. Equal to D. Zero
7	The gas molecule sare in	A. Linear motion B. Random Motion C. Brownian motion D. Circulatory motion
8	What can be calculated from the curve under PV graph.	A. Heat B. Work done C. Temperatures D. Internal energy
9	Work done by the system is takn as	A. Positive B. Negative C. Undefined D. None of these
10	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
11	'R' is called	A. Universal constant B. Universal per molecule constant C. Universal gas constant D. All of the above
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	Internal energy is similar to the	A. Vibrational K.E. B. Gravitational P.E. C. K.E. D. All of these
14	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
15	Adiabatic change occurs hen the gas expands or compressed.	A. Rapidly B. Slowly C. Gradually D. Moderately
16	When hot and cold water are mixed the entropy	A. Decrease B. Increase C. Remains constant D. Zero
17	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
18	The process which is carried out at constant temperature is called.	A. Adiabatic process B. Isothermal process C. Isochoic process D. Isobaric process
19	KE of molecules of an ideal gas at absolutely zero will be	A. 0 B. Infinite C. Very High D. Below zero
20	What happens to internal energy of an object when its temperature.	A. Decreses B. Increases I C. Fluctuates D. Remains Constant