Physics ICS Part 1 Chapter 6 Online Test

Sr	Questions	Answers Choice
1	The chagne in inernal energy is defined as.	A. Q- W B. Q- T C. Q+ P D. Q - P
2	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
3	Chagne in entropy is maximum when temperature of source is that.....of sink	A. Greater than B. Less than C. Equal to D. Zero
4	When hot and cold water are mixed the entropy	A. Decrease B. Increase C. Remains constant D. Zero
5	Work done by the system is takn as	A. Positive B. Negative C. Undefined D. None of these
6	What can be calculated from the curve under PV graph.	A. Heat B. Work done C. Temperatures D. Internal energy
7	In carnot engine, each process is.	A. Reversible B. Preferable Reversible C. Irreversible D. Perfectly irreversible
8	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
9	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
10	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
11	Internal energy is similar to the	A. Vibrational K.E. B. Gravitational P.E. C. K.E. D. All of these
12	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
13	'R' is called	A. Universal constant B. Universal per molecule constant C. Universal gas constant D. All of the above
14	The process which is carried out at constant temperature is called.	A. Adiabatic process B. Isothermal process C. Isochoic process D. Isobaric process

15	Effeciency of a carnot engine is.	A. Infinite B. Ten C. Greater than 1 D. Less Than
16	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
17	Collision between gas molecules are perfectly C	A. Elastic E B. Inelastic C. Neither elastic nor inelastic D. All of these
18	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
19	First law of thermodynamics is based upon law of conservatio of.	A. Mass B. Momentum C. Energy D. Charge
20	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