

## Physics ICS Part 1 Chapter 6 Online Test

Sr	Questions	Answers Choice
1	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
2	In carnot engine, each process is.	A. Reversible B. Preferable Reversible C. Irreversible D. Perfectly irreversible
3	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
4	The efficiency of carnot engine depends upon	A. Sink temperature B. Source temperature C. Both a and b D. The working substance
5	First law of thermodynamics is based upon law of conservatio of.	A. Mass B. Momentum C. Energy D. Charge
6	Carnot Cycle is	A. Reersible B. Irreversible C. Both D. C - Cv = R
7	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
8	Internal energy of a substance, is directly proportional to	A. T B. V C. W D. P
9	When hot and cold water are mixed the entropy	A. Decrease B. Increase C. Remains constant D. Zero
10	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 system
11	In reversible cyclic process the change in entropy of system.	A. Remains constant B. Increase C. Decrease D. Becomes zero
12	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
13	A device which covnerts thermal eergy into mechanical energy is called.	A. Turbine B. Heat engine C. Carnot engine D. Rerigerator

14	No entropy change is associated with	A. lsothermal process B. Adiabatic process C. lsobaric process D. lsochoric process
15	'R' is called	A. Universal constant B. Universal per molecule constant C. Universal gas constant D. All of the above
16	The process which is carried out at constant temperature is called.	A. Adiabatic process B. Isothermal process C. Isochoic process D. Isobaric process
17	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 to density
18	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
19	Internal energy is similar to the	A. Vibrational K.E. B. Gravitational P.E. C. K.E. D. All of these
20	What can be calculated from the curve under PV graph.	A. Heat B. Work done C. Temperatures D. D Hernal energy