

Physics Fsc Part 1 Full Book Online Test

Sr	Questions	Answers Choice
1	KE of molecules of an ideal gas at absolutely zero will be	A. 0 B. Infinite C. Very High D. Below zero
2	Internal energy is similar to the	A. Vibrational K.E. B. Gravitational P.E. C. K.E. D. All of these
3	Internal energy of a substance, is directly proportional to	A. T B. V C. W D. P
4	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
5	The process in which no heat enters or leaves the system is known as.	A. lsothermal process B. Adiabatic process C. lsochoric process D. lsobaric process
6	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
7	The process which is carried out at constant temperature is called.	A. Adiabatic process B. Isothermal process C. Isochoic process D. Isobaric process
8	Adiabatic change occurs hen the gas expands or compressed.	A. Rapidly B. Slowly C. Gradually D. Moderately
9	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
10	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
11	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
12	The chagne in inernal energy is defined as.	A. Q- W B. Q- T C. Q+ P D. Q - P
13	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
14	In reversible cyclic process the change in entropy of system.	A. Remains constant B. Increase C. Decrease D. Becomes zero

15	When hot and cold water are mixed the entropy	A. Decrease B. Increase C. Remains constant D. Zero
16	Chagne in entropy is maximum when temperature of source is thatof sink	A. Greater than B. Less than C. Equal to D. Zero
17	No entropy change is associated with	A. lsothermal process B. Adiabatic process C. lsobaric process D. lsochoric process