ECAT Physics Chapter 11 Heat & Thermodynamics Online Test

Sr	Questions	Answers Choice
1	Boyle's law is applicable in	A. Isochoric process B. Isothermal process C. Isobaric process D. Isotonic process
2	Absolute temperature can be calculated by	A. Means squares velocity B. Motion of the molecule C. Both A and B D. None of these
3	Which of the following is not thermo dynamical function?	A. Enthalpy B. Work done C. Gibb's energy D. Internal energy
4	At constant volume temperature is increased. Then	A. Collision on walls will be less B. Number of collisions per unit time will increase C. Collision will be in straight lines D. Collision will not change
5	The number of translation degress of freedom for a diatomic gas is	A. 2 B. 3 C. 5 D. 6
6	A process is a reversible process, if the entropy of the system	A. increases B. decreases C. remains constant D. none of them
7	The disorder in the system increases due to the	A. removal of heat B. addition of heat C. removal or addition of heat D. none of them
8	An irreversible heat flow from a hot to cold substances of a system, causes the disorder to	A. decrease B. remains the same C. increase D. any one of them
9	If a system undergoes a natural process it will go in the direction that causes the entropy of the system plus the environment to increase, this is another statement of	A. second law thermodynamics B. first law of thermodynamics C. third law of thermodynamics D. none of them
10	In all natural processes where heat flows from one system to another, there is always a net	A. decrease in entropy B. increase in entropy C. decrease or increase in entropy D. none of them
11	When heat is removed from the system	A. negative B. positive C. zero D. any one of them
12	When heat is added into the system then change in entropy is	A. negative B. positive C. zero D. any one of them
13	Which quantity is important in stating the entropy of the system	A. initial entropy B. final entropy C. change in entropy D. none of them
14	Which of the following is a state variable	A. entropy B. pressure C. volume D. all of them
15	The concept of entropy was introduced into the study of thermodynamics in	A. 1856 B. 1865 C. 1656