Physics Fsc Part 1 Chapter 6 Online Test

Sr	Questions	Answers Choice
1	A device which covnerts thermal eergy into mechanical energy is called.	A. Turbine B. Heat engine C. Carnot engine D. Rerigerator
2	The gas molecule sare in	A. Linear motion B. Random Motion C. Brownian motion D. Circulatory motion
3	Internal energy of a substance, is directly proportional to	A. T B. V C. W D. P
4	In an adiabatic process, there is no.	A. Change in temperature B. Exchagne of heat C. Chagne is internal energy D. Work done
5	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
6	KE of molecules of an ideal gas at absolutely zero will be	A. 0 B. Infinite C. Very High D. Below zero
7	SI unit of entropy is	A. J/Kg B. J/K C. K gms-1 D. JK
8	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
9	Pressure of a gas is directly proportional to average.	A. Potential energy B. Rotational energy C. Translation K.E D. Compressed P.E.
10	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
11	The chagne in inernal energy is defined as.	A. Q- W B. Q- T C. Q+ P D. Q - P
12	In reversible cyclic process the change in entropy of system.	A. Remains constant B. Increase C. Decrease D. Becomes zero

13	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
14	No entropy change is associated with	A. Isothermal process B. Adiabatic process C. Isobaric process D. Isochoric process
15	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
16	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
17	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
18	The efficiency of carnot engine depends upon	A. Sink temperature B. Source temperature C. Both a and b D. The working substance
19	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
20	Work done by the system is takn as	A. Positive B. Negative C. Undefined D. None of these