Physics Fsc Part 1 Chapter 6 Online Test

Sr	Questions	Answers Choice
1	The gas molecule sare in	A. Linear motion B. Random Motion C. Brownian motion D. Circulatory motion
2	SI unit of entropy is	A. J/Kg B. J/K C. K gms-1 D. JK
3	What happens to internal energy of an object when its temperature.	A. Decreses B. Increases I C. Fluctuates D. Remains Constant
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	In an isothermal chagne, internal energy.	A. Decrease B. Increase C. Remain same D. Becomes zero
6	No entropy change is associated with	A. Isothermal process B. Adiabatic process C. Isobaric process D. Isochoric process
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	Adiabatic change occurs hen the gas expands or compressed.	A. Rapidly B. Slowly C. Gradually D. Moderately
9	Effeciency of a carnot engine is.	A. Infinite B. Ten C. Greater than 1 D. Less Than
10	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
11	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
12	First law of thermodynamics is based upon law of conservatio of.	A. Mass B. Momentum C. Energy D. Charge
		A. Greater than real engine B. Less than real engine

13	The efficiency of carnot eninge is always.	B. Less than real engine C. Equal to the real engine D. Both a and b
14	Internal energy of a substance, is directly proportional to	A. T B. V C. W D. P
15	KE of molecules of an ideal gas at absolutely zero will be	A. 0 B. Infinite C. Very High D. Below zero
16	Collision between gas molecules are perfectly C	A. Elastic E B. Inelastic C. Neither elastic nor inelastic D. All of these
17	Carnot Cycle is	A. Reersible B. Irreversible C. Both D. Cp - Cv = R
18	The chagne in inernal energy is defined as.	A. Q- W B. Q- T C. Q+ P D. Q - P
19	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
20	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 topressure