

## GLOSSARY :

- ▲ **Adiabatic process:** A process in which no exchange of heat takes place between a system and its environment.
- ▲ **Cyclic process:** A thermodynamic process in which system undergoes a series of processes, starting from some thermodynamic equilibrium state and finally the system is brought back to its original state.
- ▲ **Heat:** Energy exchanged between a system and its environment only due to difference of temperature between them.
- ▲ **Heat Energy:** The total kinetic energy associated with random motion of molecules of a substance.
- ▲ **Isotherm:** The pressure – volume curve for a fixed temperature.
- ▲ **Isothermal process:** A process in which the temperature of the system is kept fixed throughout.

- ▲ **Internal Energy:** A certain amount of heat is supplied to the system or a certain amount of work was done by the system.
- ▲ **Linear expansion:** The increase in the length of a body with increase in temperature.
- ▲ **Thermodynamics:** Two systems in thermal equilibrium with a third system separately are in thermal equilibrium with each other.
- ▲ **Work in thermodynamics:** The amount of mechanical energy exchanged between two bodies during mechanical interaction.
- ▲ **Zeroth Law of thermodynamics:** Two systems in thermal equilibrium with a third system separately which are in thermal equilibrium with each other.