PHYSICS (H/S) Date - 01.07.20
Paper - II

Page No.
Date: | |

ZEROTH LAW OF THERMODYNAM

This fundamental law states that if two systems A & B are separately in thermal equilibrium with a third system C, Then the system A and B are in thermal equilibirium with each other.

A simple illustration of the law provided when A and B are two gases enclosed in Vessels and C is a mercury thermometer. The zeroth law says that if there is no change in the length of mercury thread when the thermometer C is placed in the thermal contact of A nor when it is placed in thermal contact of B. Then there will be no chang if A and B are brought in thermal contact with each other.

The zeroth law can be used to define temperature. The temperature of a system is the property which determine whether or no the system is in thermal equilibirium