



SNS COLLEGE OF TECHNOLOGY
(An Autonomous Institution)
COIMBATORE-35



1. What is mass transfer?
The process of transfer of mass as a result of species concentration different in a mixture is known as mass transfer.
2. Give the examples of mass transfer?
 - *. Humidification of air in a cooling tower.
 - * evaporation of petrol in the ic engine.
3. What are the modes of mass transfer?
 - * diffusion mass transfer
 - *. Convective mass transfer
4. What is molecular diffusion?
The transport of water on a microscopic level as a result of diffusion from a region of higher concentration to a region of lower concentration in a mixture of liquids or gases is known as molecular diffusion.
5. What is eddy diffusion?

When one of the diffusion fluids is in turbulent motion , eddy diffusion takes place.
6. What is convective mass transfer?
Convective mass transfer is a process of mass transfer that will occur between surface and a fluid medium when they are at different concentration.
7. What is free convective mass transfer?
If the fluid motion is produced due to change in density resulting from concentration gradients, the mode of mass transfer is said to be free convective mass transfer.
8. Define forced convective mass transfer?
If the fluid motion is artificially created by means of an external force like a blower or fan, that type of mass transfer is known as convective mass transfer.
9. Define Schmidt number?
It is defined as a ratio of the molecular diffusivity of momentum to the molecular diffusivity of mass.
10. Define scherwood number?
It is defined as the ratio of concentration gradients at the boundary.