FLUID MOSAIC MODEL

- This model is proposed by Singer and Nicolson (1972).it also shows two layers of lipids and proteins each.

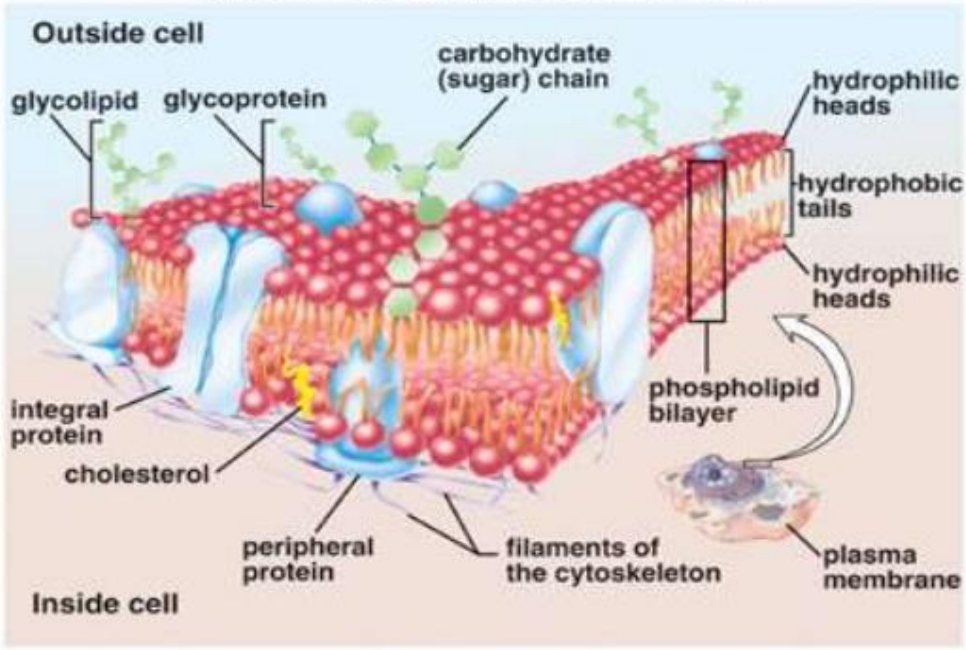
- But according to it the protein layers have two types of molecules.some molecules enter deeply layers and are called intrinsic proteins. They cannot be easily separated.

Cont..

- second type of protein molecules which do not enter deeply into the lipid layers but remain attached to their surface only,are called extrinsic proteins.They are easily separable.

- Its viscosity or fluidity like oil.

Fluid-Mosaic Model



UNIT MEMBRANE MODEL

- The unit membrane model proposed by Robertson (1959) is most accepted and widely used one.
- According to this model,plasma membrane is a trilamellar struture having a thickness of about 75 A°.
- The outer layers on both the sides are made up of protein.They are osmophilic in nature and each one measures a thickness of about 20A°.

- **A layer of lipid is present between two layers of protein.This lipid layer is hydrophobic in nature and measures a thickness of about 35A°.**

- **Actually the lipid layer is composed of two phospholipid layers which are so closely arranged that they appear to be a singal layer when viewed from the top.**