

Ans 1) Mucoadhesive polymers :-

:- Mucoadhesive delivery systems are being explored for the localization of the active agents to a particular location / site.

:- Polymers have played an important role in designing such systems. So as to ↑ the residence time of the active agent at the desired location.

:- Mucoadhesive polymers that adhere to the mucin-epithelial surface can be conveniently divided into three broad classes.

→ Polymers that become sticky when placed in water + owe their mucoadhesion to stickiness.

→ Polymers that adhere through non-specific, non-covalent interactions. These are primarily electrostatic in nature.

→ Polymers that bind to specific receptor site on ~~the~~ site self surface.