

Section-5

Q2 what is land filling? also explain the advantage over dumping?

⇒ Land filling

- a) The objective of the landfill design is to provide for safe disposal of waste while protecting the environment
- b) Environmental reports to be protected include soil, groundwater, surface water and air
- c) Landfills also are designed to maximize waste disposal quantity in the available space given site conditions/ geometry and in consideration of slope stability and future potential end uses.

Advantages

① Landfills are generally located in urban area, where a large amount of waste is generated and has to be dumped in a common place.

② Unlike an open dump, it is a pit that is dug in the ground.

③ At the end of each day, a layer of soil is scattered on top of it thus preventing the breeding of flies and rats and some mechanism is used to compact the garbage, which now forms a cell.

④ After the landfill, the area is covered with a thick layer of mud and the site can thereafter be developed as a parking lot or a park.