

❖ Stretch chlorine demand curve to disinfection micro-organism in water .

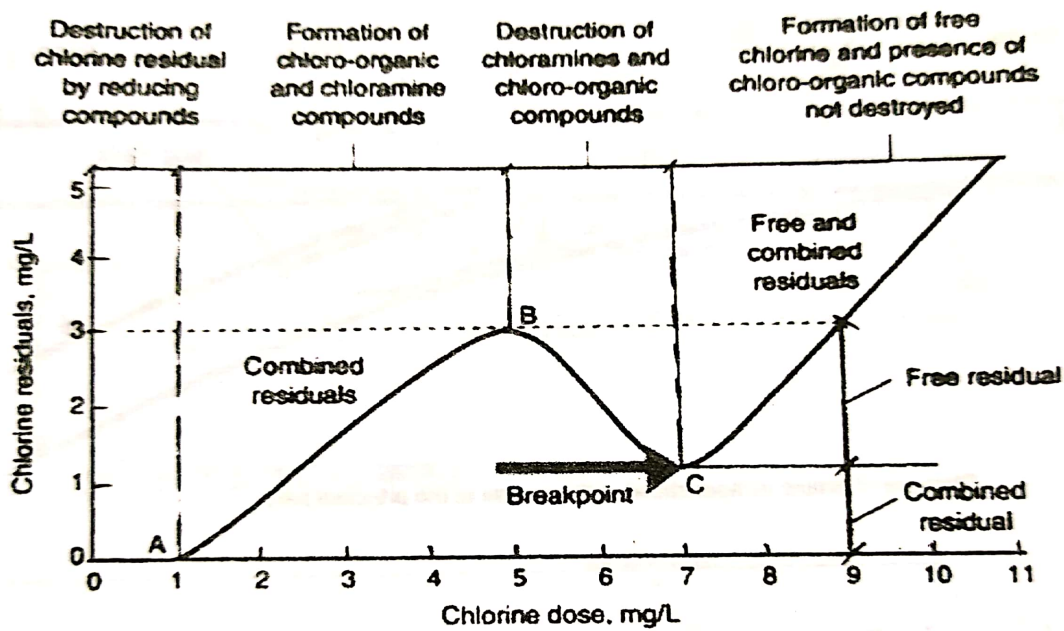
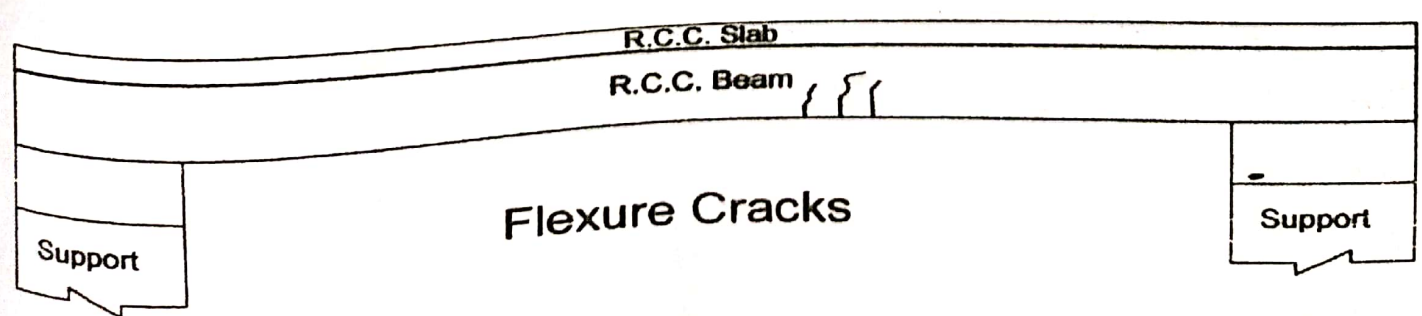
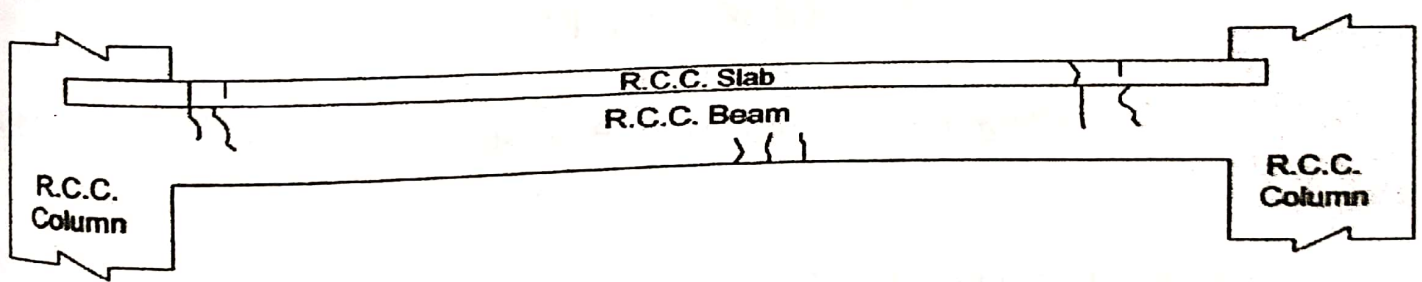
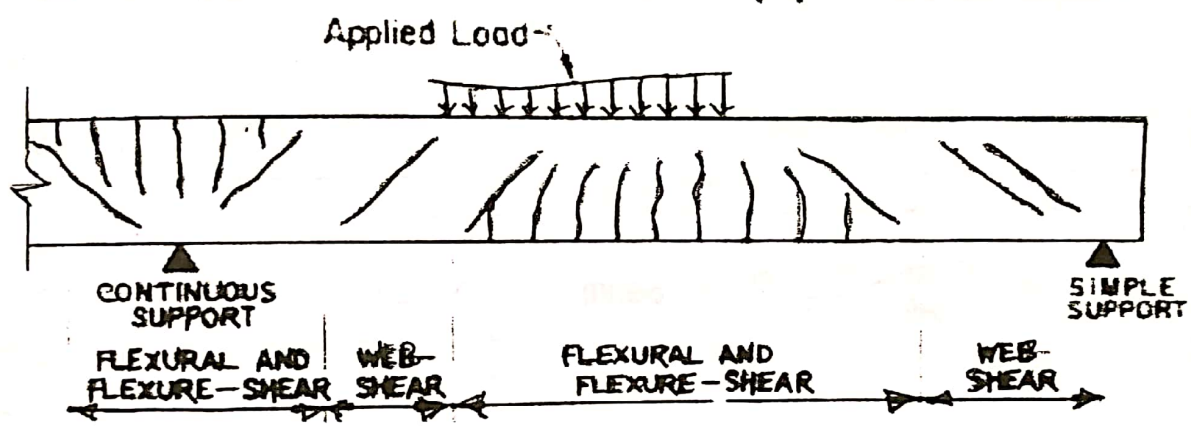
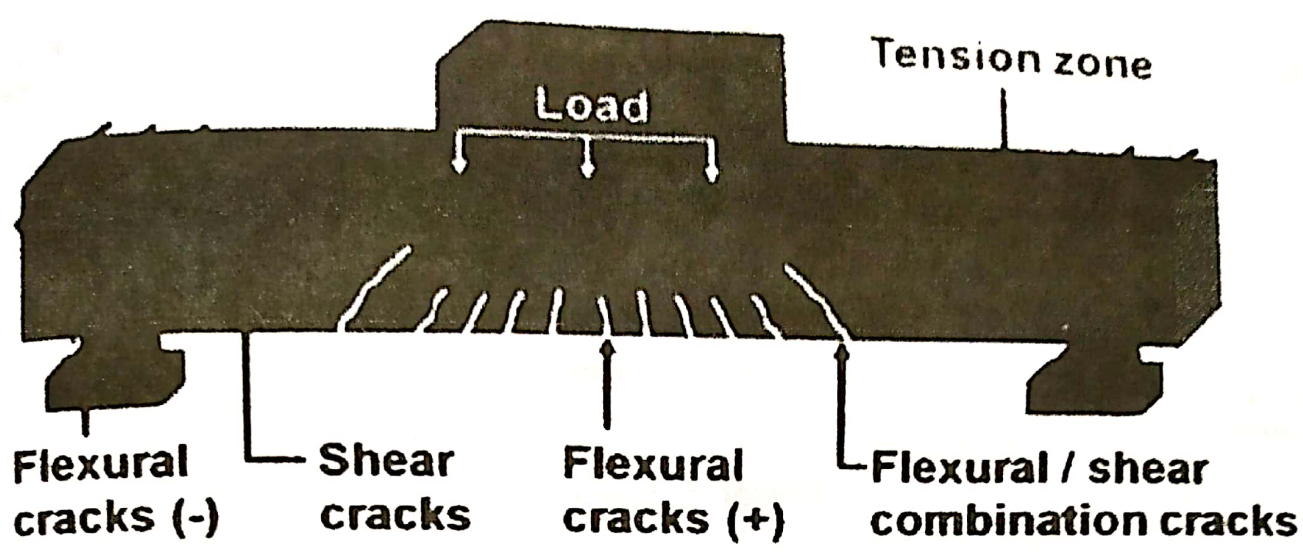


Fig-13: Typical break point chlorination curve of water.

Show different kind of crack due to applied load in beam.



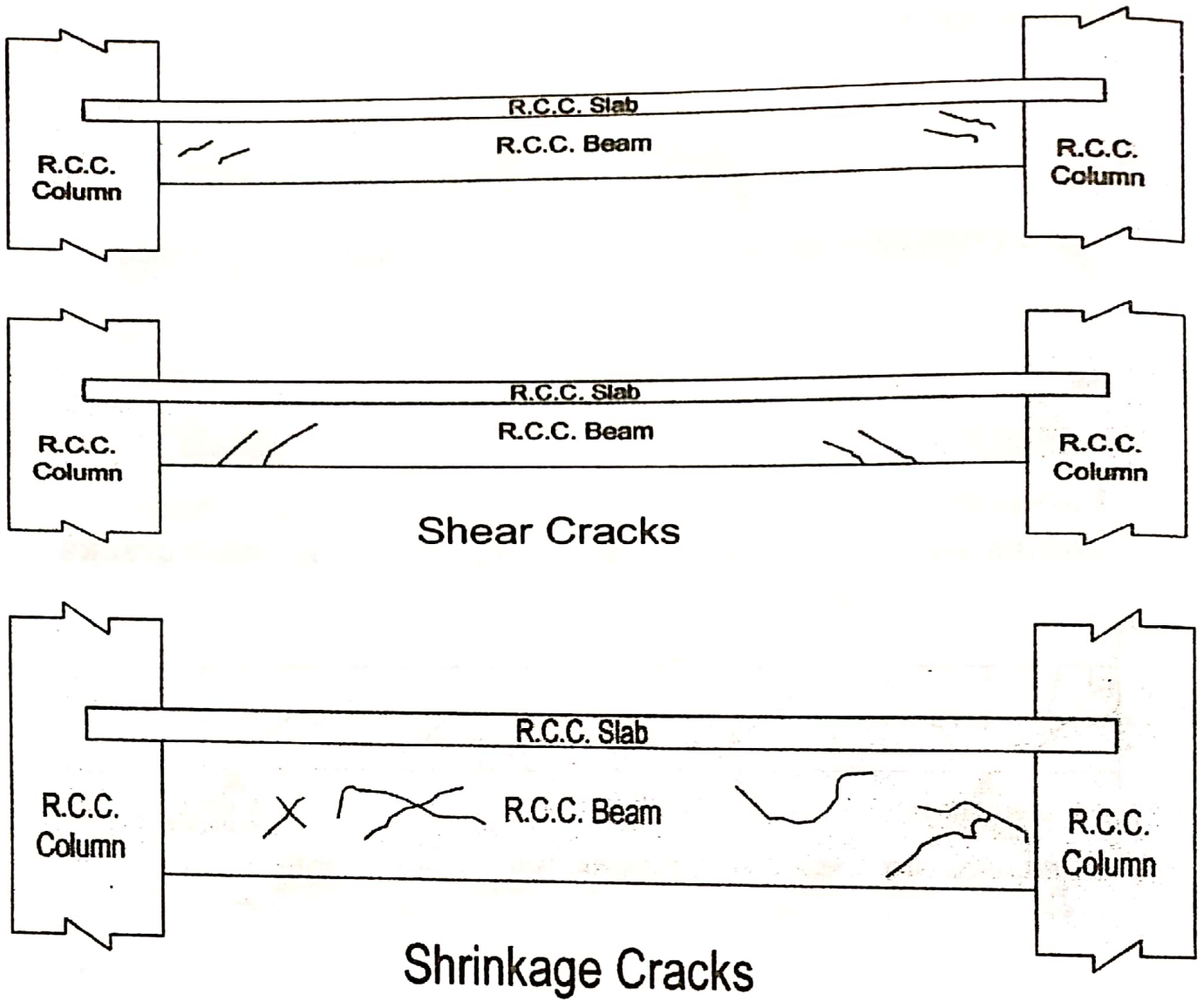


Fig-14: various type of crack

❖ Draw True and Engineering stress-strain curves.

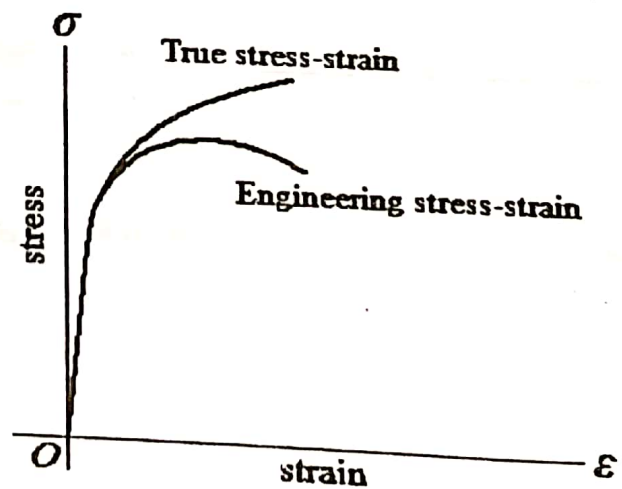


Fig-15: True and Engineering stress-strain curves.

typical cantilever beam reinforcement detailing.

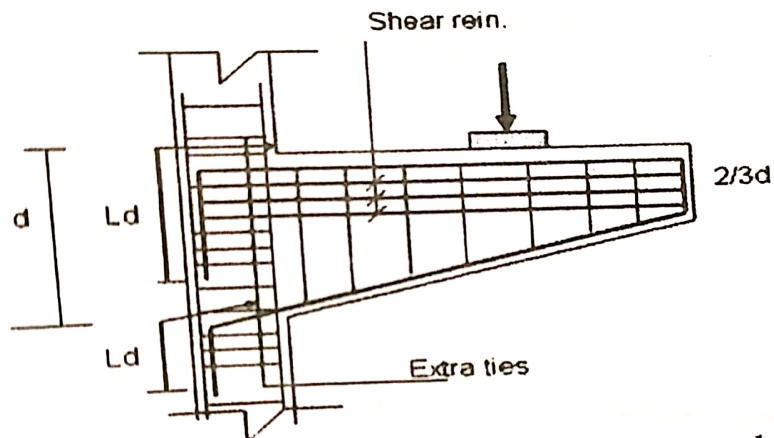


Fig-16: Typical cantilever beam reinforcement detailing.

❖ Shown typical diagram of contour and describe characteristics. [RRI-2015]

❖ Draw the diversion head works and indicate components

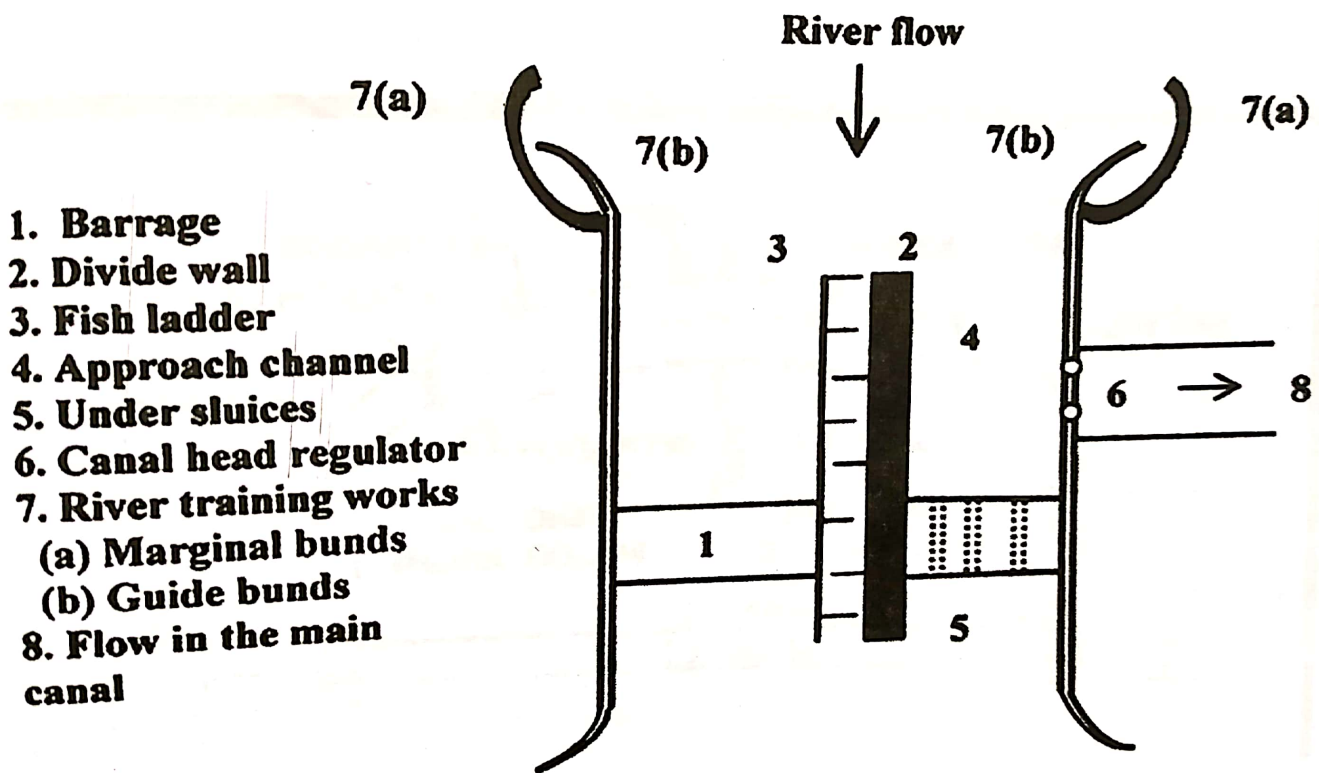


Fig-23: Layout of a diversion head works.

Draw the figure of septic tank

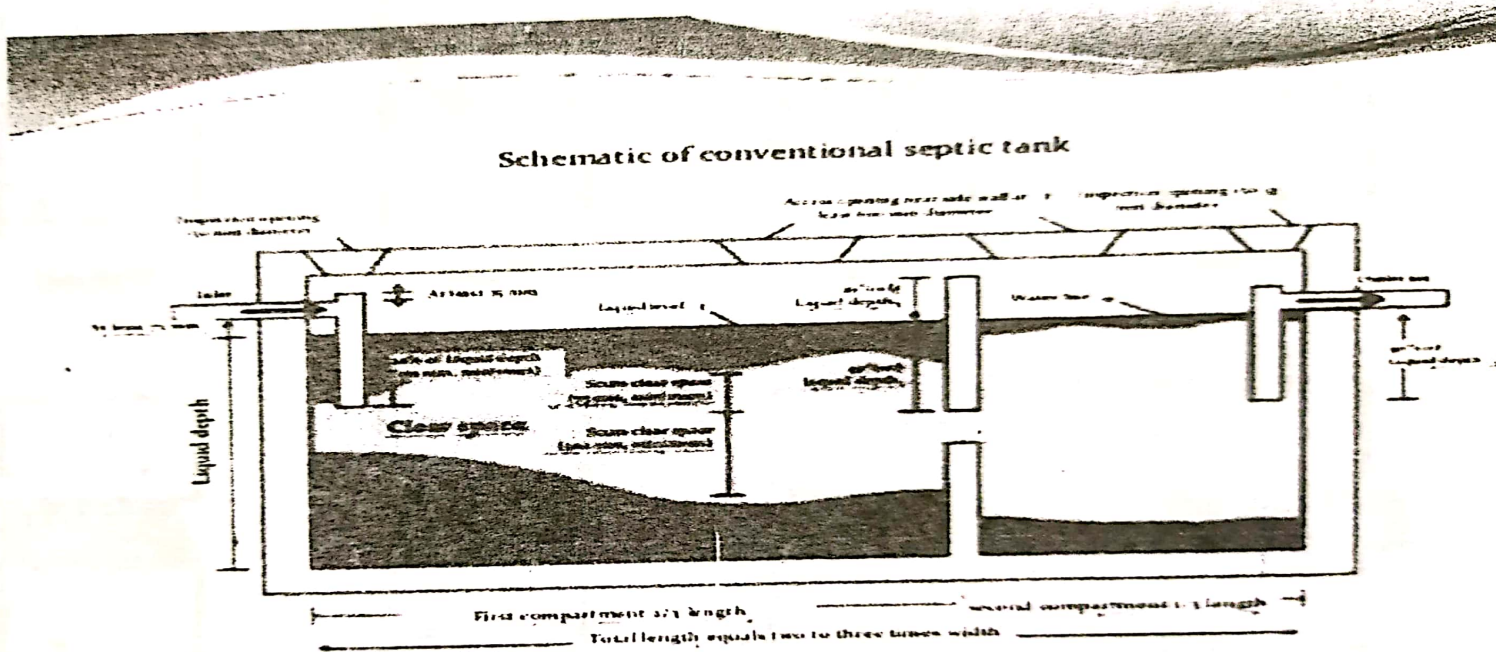


Fig-26: septic tank

Excep...

❖ Draw cross section of pile cap of 3 piles. [Titas Gas SAE-2018, BUET]

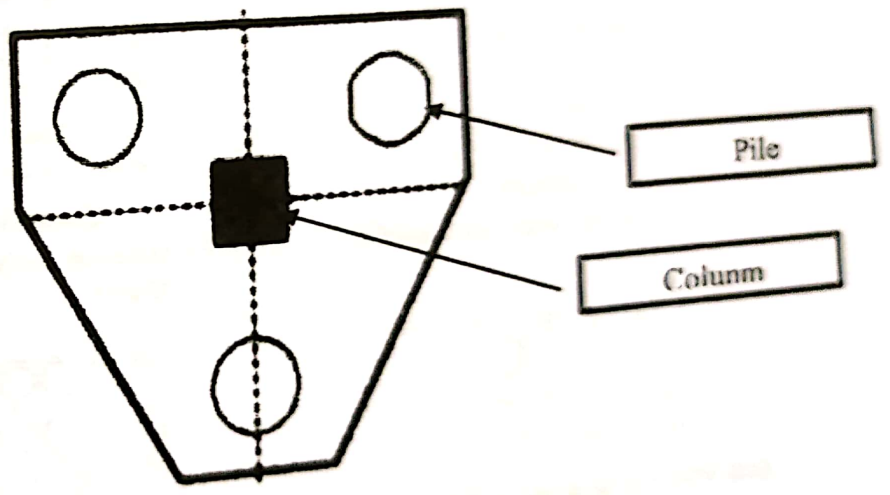


Fig-27: cross section of pile caps

❖ Draw the different intersection of road.

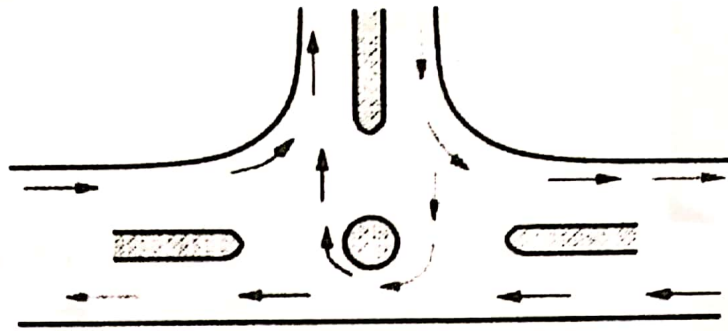


Figure 39:5: Channelization of traffic through a three-legged intersection

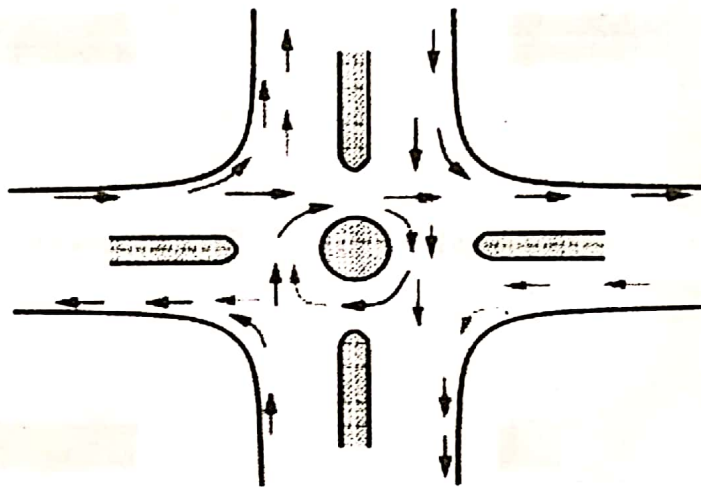


Figure 39:6: Channelization of traffic through a four-legged intersection

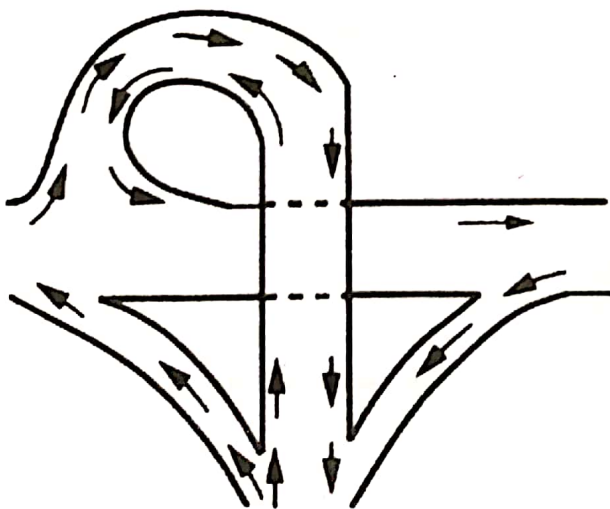


Figure 39:2: Trumpet interchange

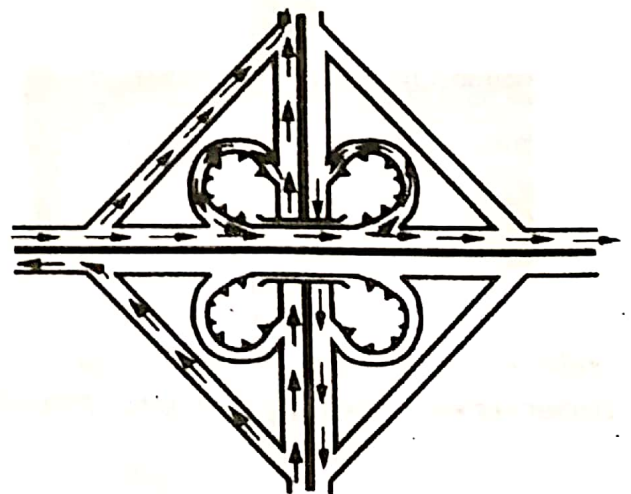


Figure 39:4: Cloverleaf interchange

❖ Stretch Hydrological cycle.

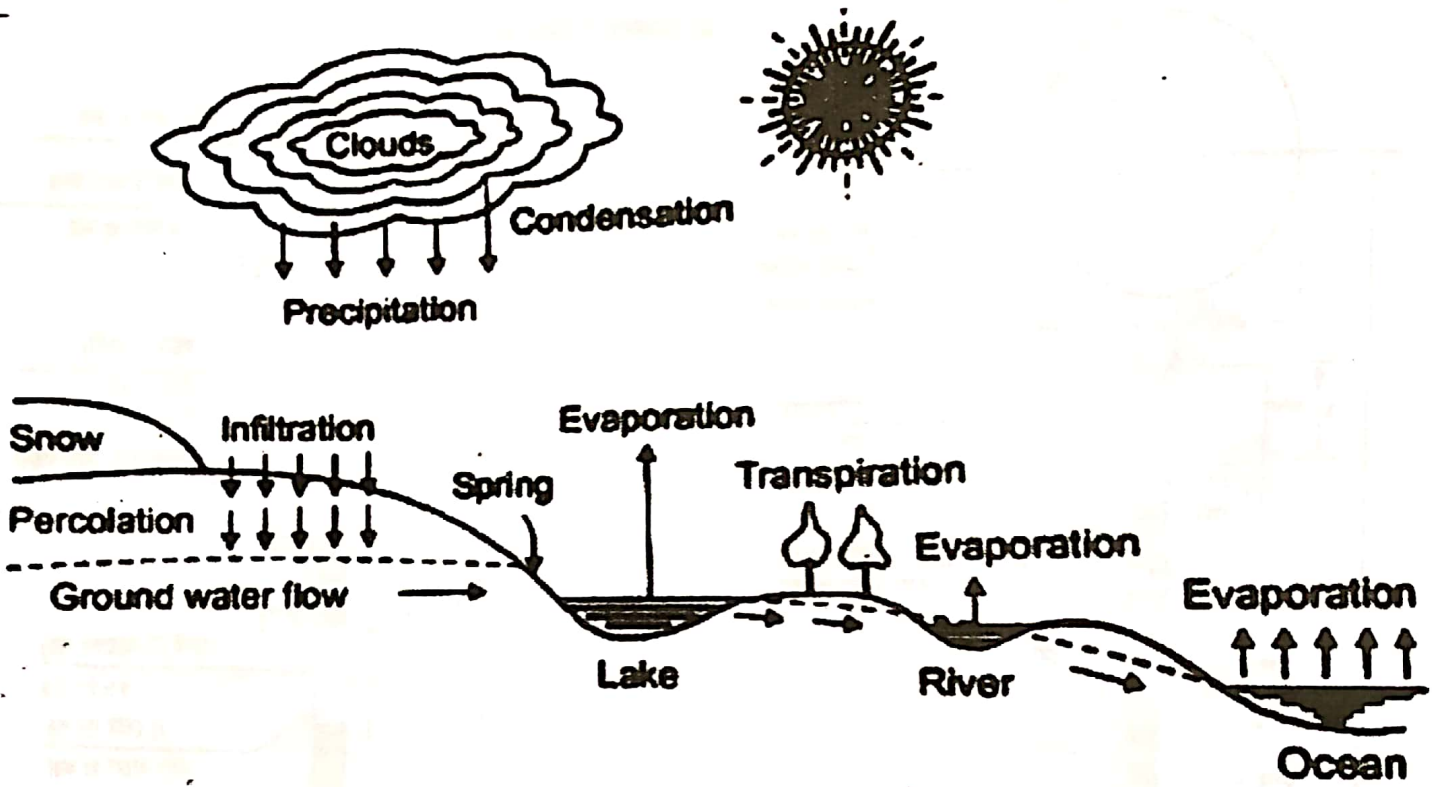


Fig-33: Hydrological cycle

❖ Biomass growth relating with food curve.

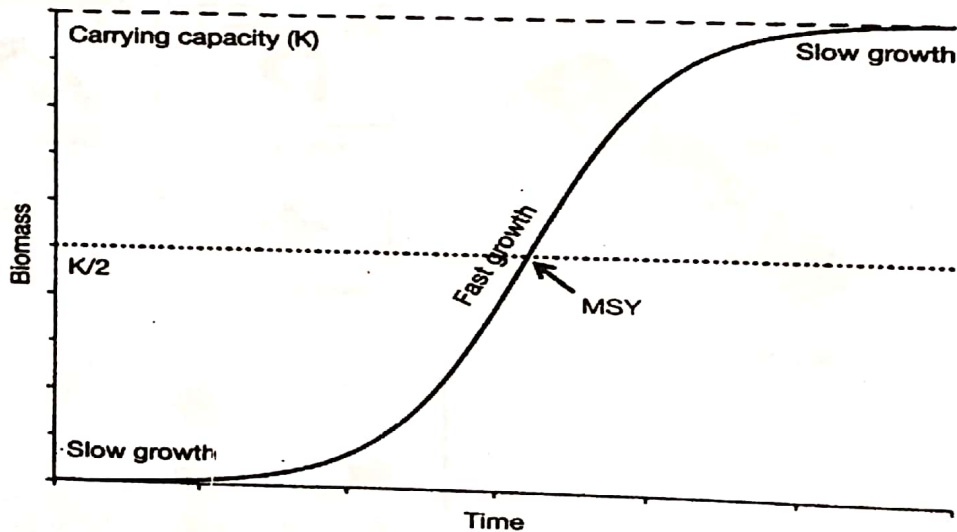
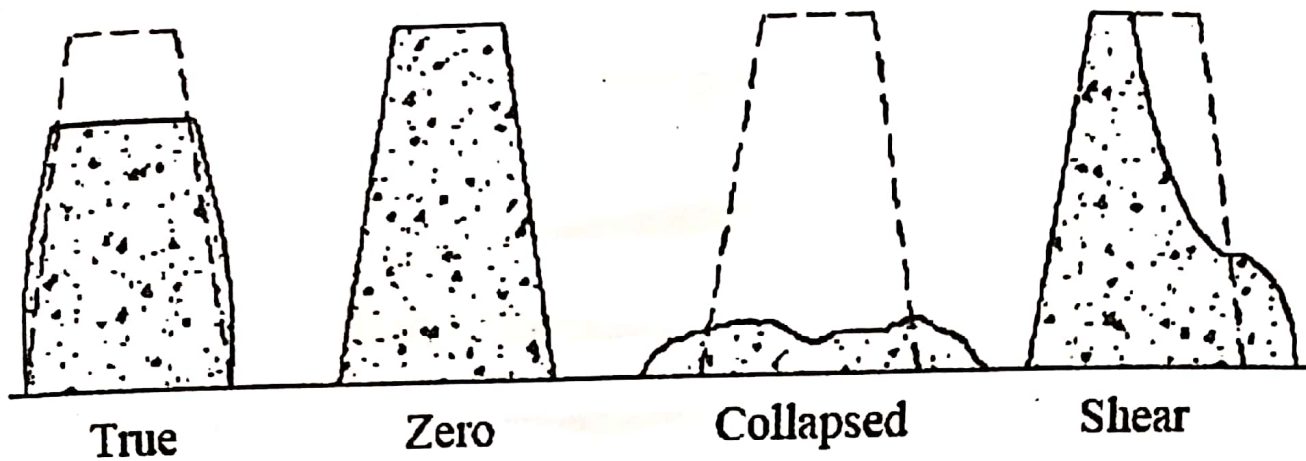


Fig-34:

❖ Types of slump with figure



S. No.	Concrete Mixes	Slump Range in MM
1.	Columns, Retaining Walls	75-150mm
2.	Beams and Slabs	50-100mm
3.	CC Pavements	20-30mm
4.	Vibrated Concrete	12-25mm
5.	Decks of Bridge	30-75mm
6.	Huge Mass constructions	25-50mm

Fig-35: Slump test

❖ Draw  $D_{10}$ ,  $D_{20}$  and  $D_{50}$  graph for soil sample.

[BWDB-2013]

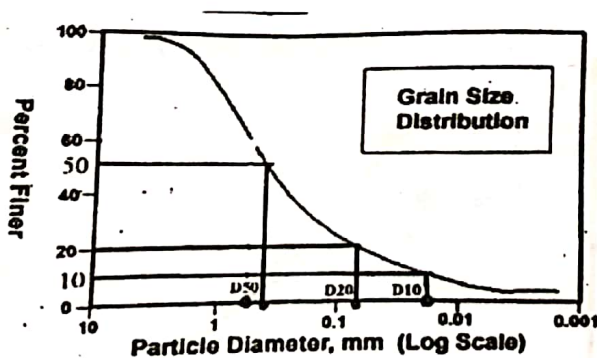
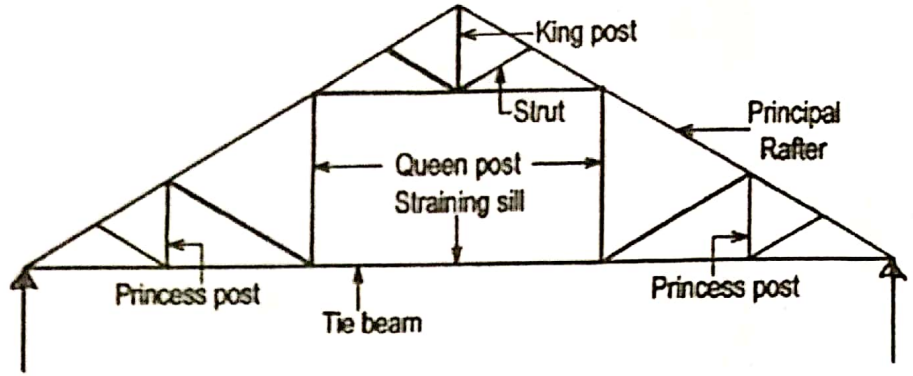


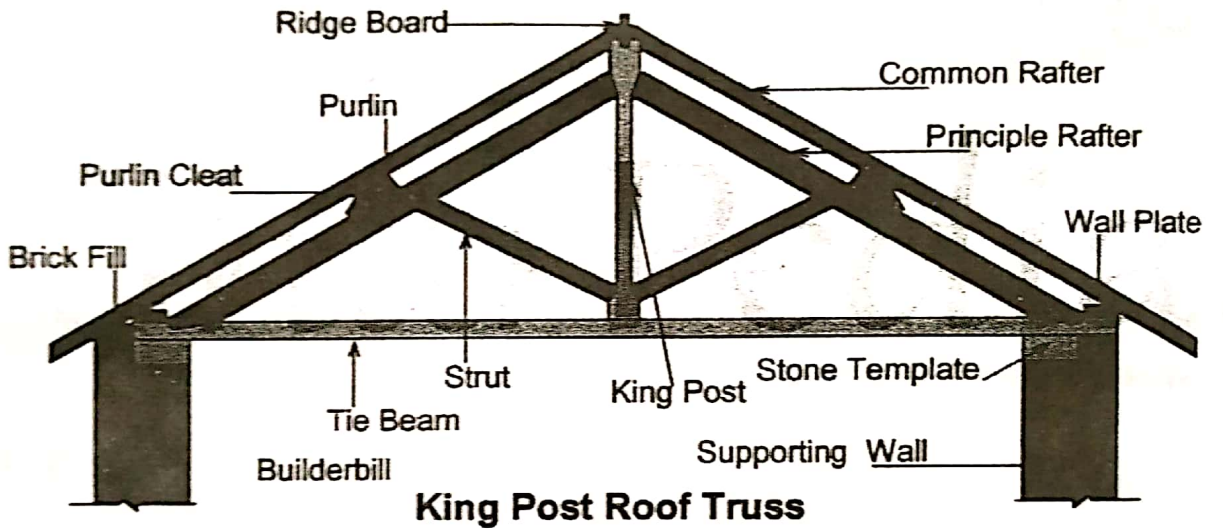
Fig-36:

Fig-40:

(1) একটি truss চিত্র অঙ্কন করে বিভিন্ন portion দেখাও।



King & Queen Post Roof



King Post Roof Truss

Fig-41: King & queen post truss

(2) Shown Atterberg Limit with figure

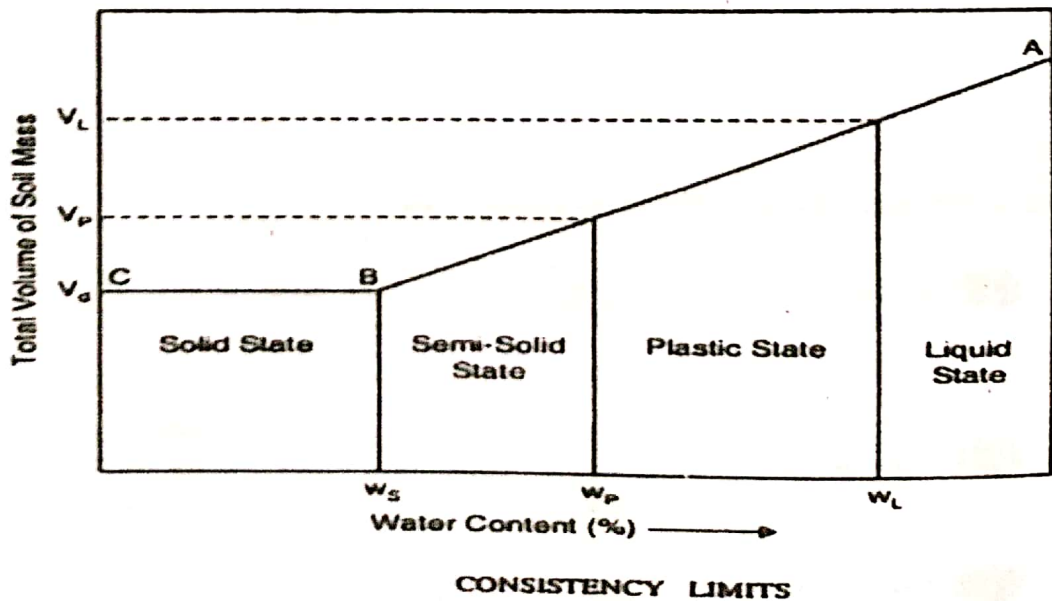
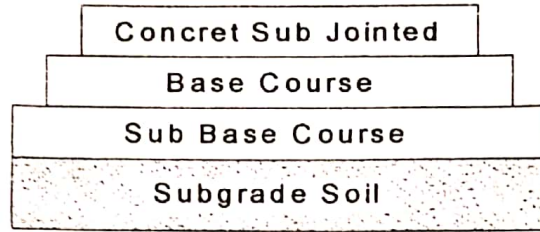
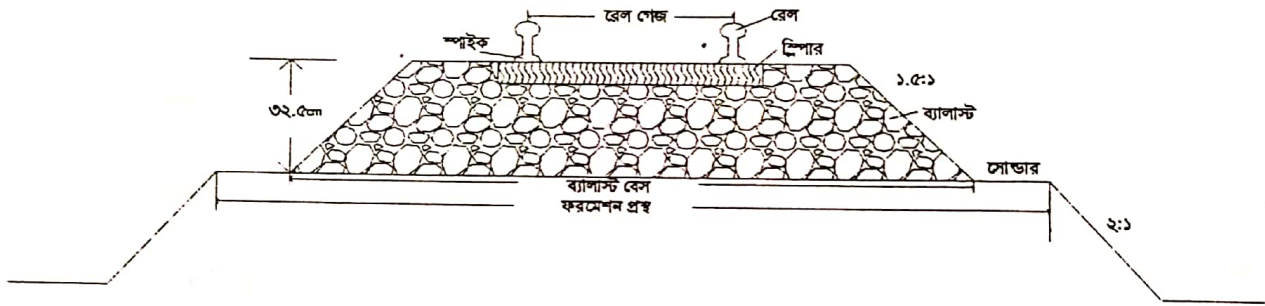


Fig-42: Atterberg Limit

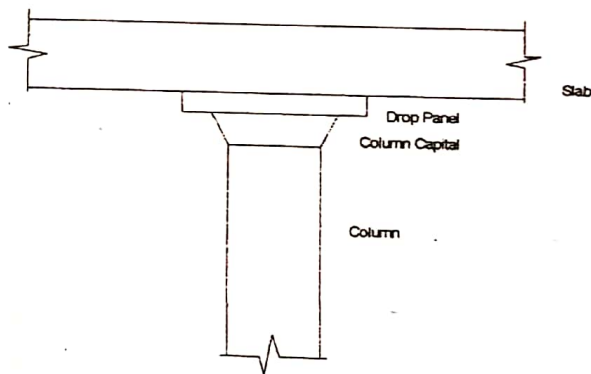
❖ একটি Rigid Pavement এর বিভিন্ন অংশের মাপ সহ দেখান হল :



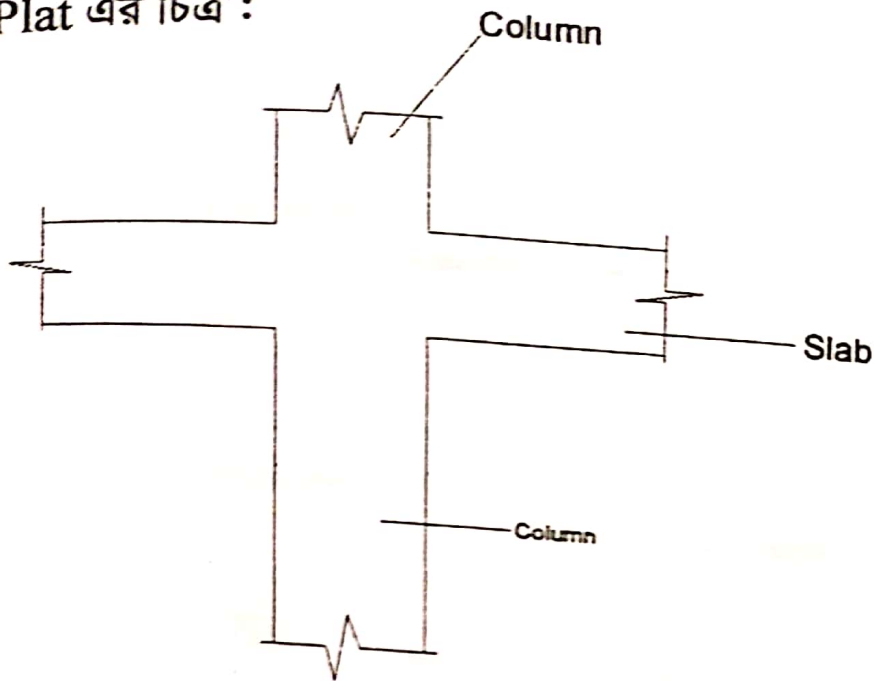
❖ একটি স্থায়ী সড়কের প্রস্থচ্ছেদ অংকন করে প্রধান অংশ গুলো নিচে দেখান হল :



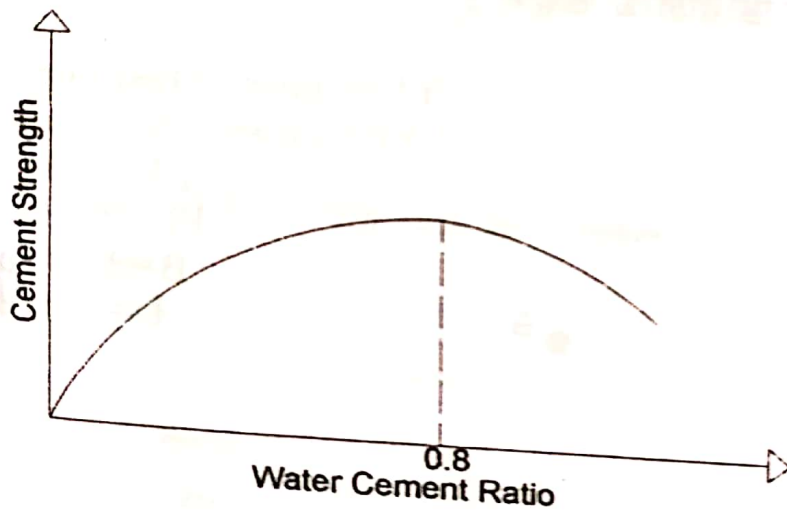
❖ একটি Flat Slab এর চিত্র :



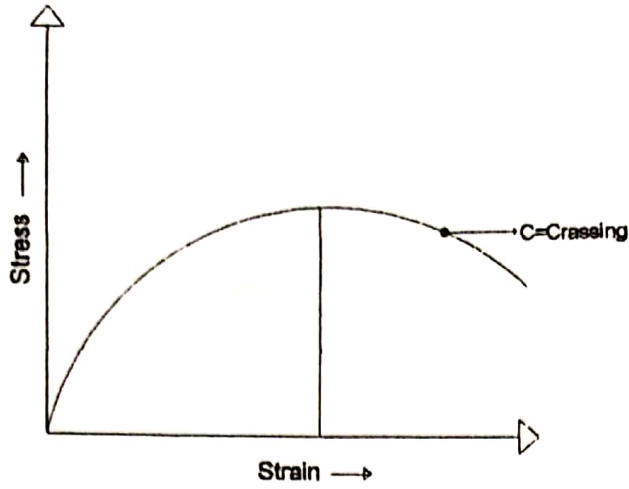
❖ একটি Flat Plat এর চিত্র :



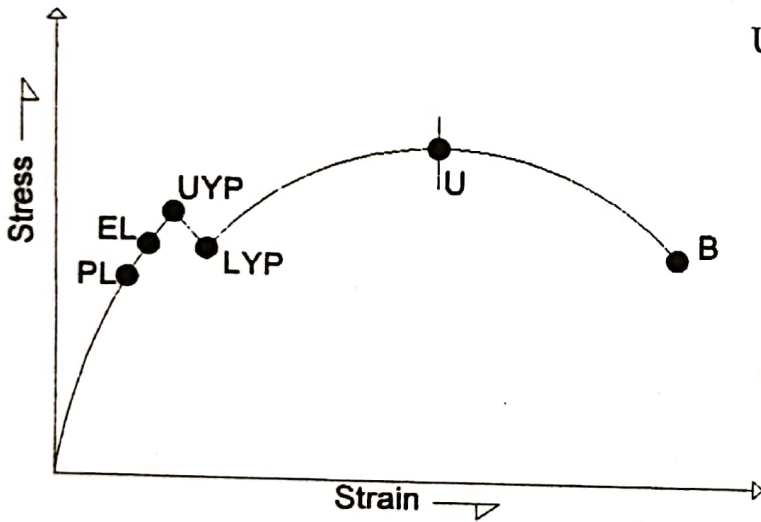
❖ Water cement Ratio Curve:



❖ Concret stress & strain Curve:

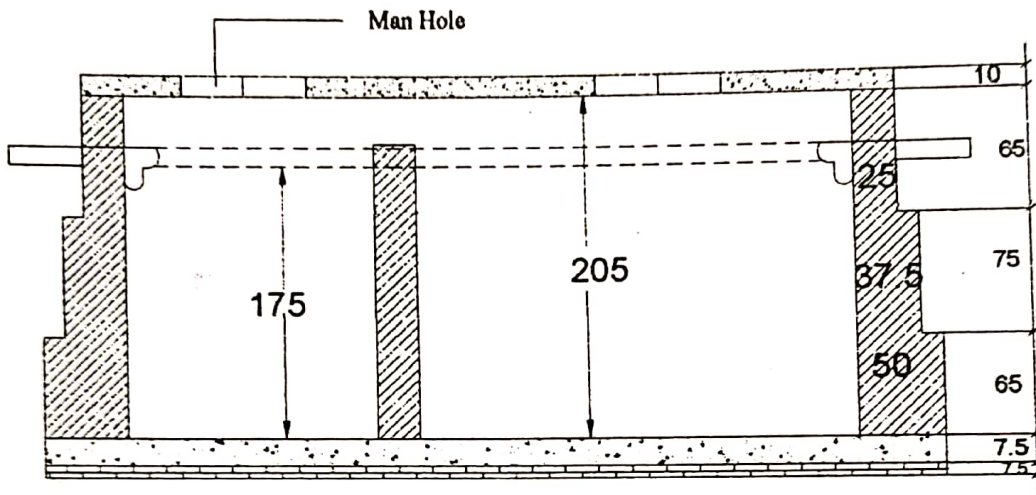


❖ মাইল্ড স্টিল পীড়ন বিকৃতি ডায়াগ্রাম অঙ্কন :

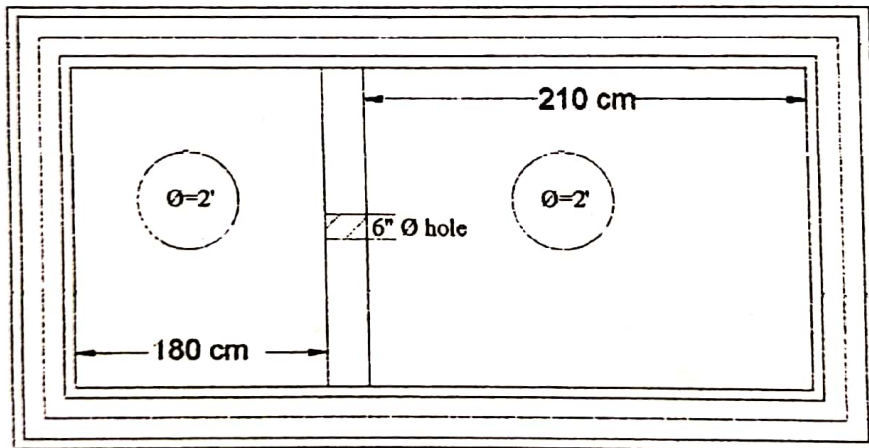


- UYL=Upper / Maximum Yield Point
- LYP= Lower / Minimum Yield Point
- EL= Elastic Limit
- PL=Plastic Limit
- B=Brake point
- U=Ultimate Strength

❖ সেপটি ট্যাংক এর Plan ও Section চিত্র অঙ্কন :



Elevation Of Septic Tank



Plan Of Septic Tank

