

Q2 What do you mean by design flood?
What are catchments?

Ans Design flood :- Design flood is the value of instantaneous peak discharge adopted for the design of particular project or any of its structure. In addition to the consideration of the flood characteristic frequencies and potential of contribution drainage area above the structure social economic and other non hydrologic considerations which are likely to have influence are considered in deriving a design flood.

The factor affecting the flood hydrograph are.

- ① Shape
- ② Topography & relief
- ③ Heavy storm
- ④ Lengthy Rainfall
- ⑤ Snowfall
- ⑥ Vegetation
- ⑦ Rock type.