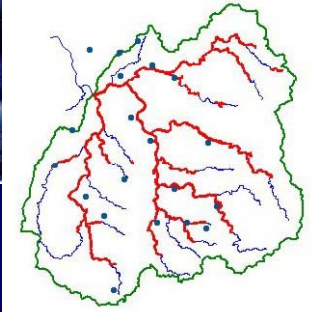




Assignment- Questions?.

- Differentiate between lumped, semi distributed and distributed models used in hydrologic modeling.
- How physically based watershed modeling is done?. Illustrate the step by step procedure. What are advantages & limitations.
- What are the important steps in the watershed simulation analysis?.
- Illustrate various types of hydrodynamic & empirical models used in hydrology.



Unsolved Problem!

- For your watershed area, discuss the possibility of applying a physically based model for runoff/ flood analysis. Identify the data required for physical modeling. Develop a conceptual model by giving the detailed steps for rainfall runoff modeling.
- Identify how to model evapo-transpiration, interception & infiltration for the area considered. With respect to available data, choose specific models to model these processes.
- Discuss how to add these processes in the rainfall-runoff modeling.