

SYLLABUS :-

Introduction to integrated approach for the management of watersheds; preparation of land drainage schemes; types and design of surface drainage as well as subsurface drainage in coastal and interior basins; controlling of soil erosion and soil salinity; types and design of water conservation and water harvesting structures for different types of catchments; estimation of design storm and design flood for spillways and other outlet structures; flood routing through channels and reservoirs; flood control through single purpose and multipurpose reservoir operation; types and design of flood forecasting and protection systems; flood damage case studies.