

CREDIT – I

01. Introduction to Hydrology
02. Hydrological Cycle and Global water balance
03. Ground water: Origin, Occurrence and Quality
04. Ground water: Movements, permeability, Hydraulic Conductivity and Darcy's law
05. Aquifers and their types

CREDIT – II

01. Watershed: concept and management
02. Drainage systems and patterns
03. Concept of Interlinking of Indian Rivers
04. Rain water harvesting: models and feasibility
05. National water policy and water crises in India

CREDIT – III

01. Introduction to oceanography
02. Relief of the ocean basins
03. Marine biological environment
04. Waves and Tides
05. Ocean currents and their significance
06. Ocean Conveyor Belts

CREDIT – IV

01. Coral reefs: theories of formation (Darwin and Dally)
02. Oceans as store houses of Non-conventional sources of energy
03. Food resources & Mineral resources of the Oceans
04. Law of the Sea & exclusive Economic Zone
05. Climate change and oceans: Sea level change and its implications
06. Role of oceans in regulating Greenhouse effect/ Marine Biological Pump