

Syllabus

Introduction to ecology; division, concept, scope and importance of ecology; Ecosystem: structure & function; Important ecosystems: forest, grassland, desert and pond; Ecological energetics: concept of energy flow, trophic structure, food chain, food web and ecological pyramids; Forest communities: vegetational analysis, biomass, productivity and forest floor mass, litter decomposition, forest soil development and nutrient cycling; Locality factors: climatic factors, topographic factors, edaphic factors & biotic factors; Succession; hydrology of forest ecosystem; forest classification: Champion & Seth's classification, forest types of India; Environment: definition, concept, components; Environmental pollution; Biodiversity and its conservation.