

UNIT-V

Estuarine ecology, Definition and types, biota and productivity, Ecological adaptation in estuarine environment. Eco- characteristics of Chilka lake.

SECOND YEAR T. D.C.SCIENCE, 2008-2009

ENVIRONMENTAL SCIENCES

PAPER-III

TERRESTRIAL ECOLOGY

Duration : 3 Hrs.

M.M.: 50

UNIT-I

Physico-chemical characteristics of terrestrial ecosystem, Grassland ecosystem – Grassland environment; food chain and trophic levels, energetics of grasslands, productivity of grassland, biogeochemical cycles operating in grasslands; grass legume association; Grasslands in relation to soil and water conservation.

UNIT-II

Basis of grassland classification, Major grassland types in the world, grasslands in India with special reference to Rajasthan; Range management.

UNIT-III

Forest ecosystem – Major forest types of the world and of India; forest ecosystem, forest environment, food chains, energetics and biogeochemical cycles operating in forests. Forest biota.