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Forestry and Environmental Sciences Syllabus for
Uttarakhand State Civil Services Preliminary Exam-
2011

FORESTRY AND ENVIRONMENTAL SCIENCES

Systematic Botany of Forest Species, Fundamentals of Silviculture, Introduction to Wild Life, Forest Soils and their management, Physiology of forest species, seed, seed science and technology. Wood science, Fundamentals of forest protection, forest economics, Forest entomology, Forest pathology, Forest Mensuration, Forest ecology and biodiversity. Erosion and Conservation of forest lands, Silviculture regeneration methods. Silvicultural systems, Wood processing and utilization, Silviculture of Indian trees forest management and working plans.

Forest surveying and mapping Agroforestry, Weed management, plant Protection equipment, Plant disease management, Wood protection and preservation, Principles of Breeding of forest trees, Forest logging and harvesting, Introduction to minor forest products, Forest policy law and planning, Forest plantation management and yield regulations, Grassland management, Forest Regulation and harvesting schedule, Management of valuable non-timber forest plants, Insecticides, Social forestry, Forest product as food and feed, Forest nursery management, Water dynamics in soil plant systems, Introduction to Apiculture and Sericulture, Land use planning and watershed management, Processing of minor forest products.

Wild life management, wild life protection acts-National Parks/Sanctuaries relevant to Uttarakhand. Social and recreation forestry. Forest ecology and conservation of natural resources.

Ecosystems, Pollution, Biodiversity and its conservation, Environmental protection. Environmental monitoring, Remote sensing, Conventional and nonconventional energy resources, Global Environmental Problems and current environmental problems in Uttarakhand.