

SEC

WILD LIFE CONSERVATION AND MANAGEMENT

(Credits 3)

Unit 1:

Values of wild life - positive and negative; conservation ethics; importance of conservation; causes of depletion; world conservation strategies. Protected areas, National parks & sanctuaries, Community reserve; important features of protected areas in India.

Unit 2:

Habitat analysis: physical parameters - topography, geology, soil and water; biological Parameters - food, cover, forage, browse and cover estimation; remote sensing and GIS. Management of habitats; setting back succession; grazing logging; cover construction; preservation of general genetic diversity; restoration of degraded habitats.

Unit 3:

Population estimation, population density, natality, birth rate, mortality, fertility schedules and sex ratio computation. Bio- telemetry; Care of injured and diseased animal; quarantine; common diseases of wild animal.

Faecal analysis of ungulates and carnivores: faecal samples, slide preparation; hair identification, pug marks and census method.

SUGGESTED READINGS:

- **Chandra, P. 2013.** Indian Wildlife Sanctuaries and National Parks (2-Volume Set) An Exploratory Survey. Cyber Tech Publications.
- **Dyke, F.V. 2008.** Conservation Biology: Foundations, Concepts, Applications. Springer Publications.
- **Wobeser, G.A. 2005.** Essentials of Disease in Wild Animals. Blackwell Publishing.