

**OBJECTIVES:**

1. To understand the importance of protecting and conserving wild life to maintain the ecosystem balance.
2. To acquire knowledge of the endangered species, and their conservation.
3. To gain information about the significance of wild life as a source of education, tourism & occupation.

**COURSE:**

**UNIT I:** Importance of wild life – Ecological, Commercial, Game, Scientific, Aesthetic and ethical values. Ecological balance, gene bank, plant propagation, scientific importance, soil erosion etc). Importance of forests (timber, fuel wood etc.) .Natural resources & their conservation. Wild life values (+, -). Animals in Indian mythology. Ecozones of India and faunal diversity of India..

**UNIT II: Management of Wild life:**

Threats to wild life and causes of depletion.

Conservation strategies: (Habitat management, Establishment of parks and sanctuaries, breeding in captivity, reintroduction, mass education, promulgation of laws.) Wild life trade & legislation: Assessment, Documentation, Trade, Wild life laws and ethics.

Illegal wild life trade & pet trade in India – Major trade centre's, routes and related issues.

Indian and International Organizations, Conventions and Societies.

**UNIT III:** Conservation Schemes: Project Tiger (names of tiger reserves), Crocodile breeding project (reserves), Project Gir lion, (reserves), Sea turtle project (reserves). Monitoring of wild life populations (visual count, pellet, Biotelemetry, other tracking devices & methods).

**Wild life offences-** relating to animals. Poaching: prevention & management .

Management of wild life crime .

**UNIT IV: Zoo Management and Ecotourism:**

Basic considerations for designing a modern zoo. Functions of a modern zoo. Zoo layout and exhibits of animals. Zoo services, Zoo sanitation. ). Care of wild life – injured and sick, disease monitoring and control. Viral, bacterial and protozoan diseases of wildlife. Prospects and trends of Ecotourism – conventional, nature based, sustainable tourism and Ecotourism in India. Definitions of sanctuary, protected area (PA), etc.

