

DISCIPLINE SPECIFIC CORE COURSE
BZO: 801: WILD LIFE BIOLOGY
(Credits: Theory-4, Practical-2)

SEMESTER –VIII

Lectures: 60

Unit 1

Wild life

Values of wild life - positive and negative; conservation ethics; Importance of conservation; Causes of depletion, Endangered species

Unit 2

Habitat analysis, Evaluation and management of wild life

Physical parameters: Topography, Geology, Soil and water; Biological Parameters: food, cover, forage, browse and cover estimation; Standard evaluation procedures

Unit 3

Population estimation

Population density, Natality, Birth rate, Mortality, fertility schedules and sex ratio computation; Faecal analysis of ungulates and carnivores: Faecal samples, slide preparation, Hair identification, Pug marks and census method.

Unit 4

Wild life Legislation – Wild Protection act - 1972, its amendments and implementation

Unit 5

Management planning of wild life in protected areas; Estimation of carrying capacity; Case study of any endangered species in Himalayan region
