



# **BUNDELKHAND UNIVERSITY, JHANSI**

**SYLLABUS FOR POSTGRADUATE COURSES (Minor -1)**

**(Open elective Course except science Discipline Students)**

## **NATURAL RESOURCE AND CONSERVATION**

**Total Credit: 04**

**Total hours: 50 L**

### **Unit 1: Natural Resources**

Concept and types of natural resources; classification of natural resources; Factors influencing resource availability, distribution and uses; Interrelationships among different types of natural resources.

### **Unit 2: Forest Resource**

Types and extent of forests in India; Importance of Forest; Exploitation of Forest resources; Deforestation; Forest Management; National forest policy; case study: chipko movement, apiko movement.

### **Unit 3: Water Resources**

Sources of water quality of natural water, Causes of water resource depletion; water resource management- Ground water recharging, rain water harvesting; Watershed management; floods, drought.

### **Unit 4: Land Resource**

Soil types, profile and composition; degradation of land and agricultural lands; impacts of land use on environment; Soil Management: Soil erosion and Conservation, Desertification; Soil reclamation.

### **Unit 5: Mineral Resources**

Classification of mineral resources of India, use and exploitation, environmental effects of mining, conservation of natural resources

### **Suggested Readings**

1. Encyclopedia of Indian Natural History, Hawkins R.E., Bombay Natural History Society, Bombay.
2. Text Book of Environmental Studies, ErachBharucha, Orient longman Pvt. Ltd., Ernakulam.
3. Ecology and Environment: P.D. Sharma., Rastogi Publication.