

**STATE MODEL SYLLABUS FOR UNDER  
GRADUATE  
COURSE IN ABILITY ENHANCEMENT  
COURSE (I)  
(Bachelor of Arts/Sc/Com Examination)**

**UNDER  
CHOICE BASED CREDIT SYSTEM**

# **ENVIRONMENTAL STUDIES**

## **SEMESTER – I**

**FOR UNDER GRADUATE ARTS, SCIENCE & COMMERCE – 2019-20**

**FULL MARKS: 100**

**TIME: 3 HOURS**

**TIME: 1 HOUR**

**END SEMESTER: 80**

**MID SEMESTER: 20**

### **Unit – I**

The Environment: The Atmosphere, Hydrosphere, Lithosphere, Biosphere, Ecology, Ecosystem, Biogeochemical Cycle (Carbon Cycle, Nitrogen Cycle), Environment Pollution: Air Pollution, Water Pollution, Soil Pollution, Radiation Pollution.

### **Unit – II**

Population Ecology: Individuals, Species, Pollution, Community, Control Methods of Population, Urbanization and its effects on Society, Communicable Diseases and its Transmission, Non-Communicable Diseases.

### **Unit- III**

Environmental Movements in India: Grassroot Environmental movements in India, Role of women, Environmental Movements in Odisha, State Pollution Control Board, Central Pollution Control Board.

### **Unit –IV**

Natural Resources: Conservation of Natural Resources, Management and Conservation of Wildlife, Soil Erosion and Conservation, Environmental Laws: Water Act, 1974, Air Act, 1981, The Wildlife (Protection) Act, 1972, Environment Protection, 1986, Natural Disasters and their Management.

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