

## **BES – S- 402 Environmental Sustainability and Economics**

### **Unit - I**

Sustainable Development – scope & definition, parameters of sustainability, Population stabilization, integrated land use planning, conservation of biological diversity, control of pollution, development of non-polluting renewable energy systems.

### **Unit - II**

Recycling of wastes/residues, ecologically compatible human settlement and slum improvement, environmental education and awareness.

### **Unit - III**

Sustainability of Water Resources, Sustainable Management of Forests, sustainable agricultural rotation of crops, organic farming. Urbanization and its impact on Environment.

### **Unit – IV**

Environmental movements and role of NGO's in sustainable development. Global policy for sustainable development – world summits. Rural and Urban planning for sustainable development.

### **Unit - 5**

Fundamentals and theories of environmental economics: Principles of cost-benefit analysis, Joint forest management for optimal property rights, economics of forest products in India. Environmental Statement (ES), ES of Government of India and its contents, Introduction to environmental audit: Guidelines and methodology, purpose and needs;