

SYLLABUS FOR THE M.L DEGREE COURSE
3rd Semester-CBCS PATTERN
BIOLOGICAL DIVERSITY AND LEGALL ORDER
Optional Paper IV

Objectives of the course:

Biological diversity includes all life forms on the earth and signifies a life supporting order, essential for the normal functioning of eco-systems and the Biosphere as a whole. Dependence of human life on biological diversity is thus no doubt essential. Destruction of bio-diversity, especially of the developing countries is disturbing phenomenon and presents a matter of grave concern. The growth of bio-technology and genetic engineering triggers off numerous issues of ethical and legal significance in relation to experimentation and animals and plants. Apart from being considered as gifts of nature, animals and plants becomes a target of commercial exploitation. Sustainable development envisages country position and lays emphasis on the duty to protect the diverse flora and fauna not only for present generation but also for the succeeding generations to come. With the above perspectives the course focuses on the legal mechanisms of preserving bio-diversity in a sustainable manner.

Syllabus

1. Bio-Diversity

- 1.1 Meaning
- 1.2 Need for protection of bio-diversity
- 1.3 Dependence of human life on the existence in flora and fauna
- 1.4 Significance of wild life
- 1.5 Medicinal plants
- 1.6 Plant and micro-organism

2. Bio-diversity and Legal Regulation

- 2.1 Utilization of flora and fauna for bio-medical purposes
- 2.2 Experimentation on animals; Legal and ethical issues
- 2.3 General mutation of seeds and micro-organisms
- 2.4 Genetic Engineering
- 2.5 Legal Mechanisms of control
- 2.6 Recognition of regional and local agencies
- 2.7 Bio-Ethics

3. Development projects and destruction of bio-diversity:

Concept of sustainable development

- 3.1 construction of Dams-Salient Valley and Doon Valley Projects-Narmada BahavAndolan-Almatti Dam Project, etc.

- 3.2 Deforestation – Coal Mining operations – Sustainable use of forests and protection of wild life.
- 3.3 Principles of sustainable development- National & International perspectives.
- 3.4 Convention on bio-diversity (CBD) – Biological Diversity Act 2002 (BDA)

4. Problems in Legal Regulation of Medicinal Plans

- 4.1 cosmetic plants
- 4.2 Animal products
- 4.3 Utilization of flora and fauna for bio-medical purpose by Multi-national corporation: Problems of control
- 4.4 Regulation of trade in wild-life products

5. Legal framework for Development and protection of Sanctuaries

- 5.1 parks
- 5.2 zoos
- 5.3 Biosphere resources
- 5.4 Protection of genetic resources for agriculture

Select bibliography:

Arjun Prasad Nagore – Bibliological Diversity and International Environmental law (1996), A.P.H. Publishing Corporation, New Delhi.

Project large, Plant Variety Protection and Plant Bio-technology-options for India (1999), Allied.

M.S.Swaminathan, Gentic Conservation – Microbes to Man, Presidential Address at XV International congress of Genetics, New Delhi, India, December 12-21.1983.

Wild Genetic Resources, Earthscan Press Briefing Document No.33, Earthscan, London (1982).

K.L.Mehta and R.L.Arora, Plant Genetic Resources of India; their diversity and Conservation (1982), National Bureau of Plant Genetic Resources, New Delhi.

P.N.Bhatet.al., Animal Genetic Resources in India (1981).

P.N.Bhat, “Conservation of Animal Genetic Resources in India, “ Animal Genetic Resources, Conservation and Management FAO, Rome, (1981).

P.Leelakrishnan, “Environmental Law in Inida” –LexixNexisButterworths (2005)
