

UNIT III (13 hours)

The Environment (Protection) Act, 1986; The Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008; Scheme of Labelling of Environment Friendly Products (Eco-Mark); Bio-Medical Waste Management Rules, 2016; The Plastics Manufacture, Sale and Usage Rules, 1999; The Construction and Demolition Waste Management Rules, 2016; The Municipal Solid Wastes (Management and Handling) Rules, 2000; The Noise Pollution (Regulation and Control) Rules, 2000; The Ozone Depleting Substances (Regulation and Control) Rules, 2000; The Batteries (Management and Handling) Rules, 2001; E-waste (Management) Rule, 2016.

References:

1. Dass, S. S. 2012. Environmental Law in India. Pace University.
2. Doabia, T.S., Dobia, I.P.S. and Dobian, M.S. 2017. Environmental & Pollution Laws in India. Lexis-Nexis Publisher. Gurgoan. India.
3. Environmental Laws in India- An Introduction. CPR Environmental Education Centre.
4. Gazette Notification Govt. of India (on all Acts-law and rule).
5. Kohli, K and Menon, M. 2021. Development of Environmental Law in India. Cambridge University Press.
6. Mohanty, S. K. 2016. Environmental and pollution laws. Universal law publishing company, New Delhi.
7. Venkat, A. 2011. Environmental law and Policy. PHI Learning Pvt. Ltd. New Delhi.

PRACTICAL COURSES

ESP416 ENVIRONMENTAL BIOLOGY AND ECOLOGY LAB.

Course Outcomes:

- CO1 Conduct experiments to detect the physico-chemical and biological properties of water.
- CO2 Understand intertidal region and mangrove vegetation.
- CO3 Enhance the theoretical knowledge of environmental biology with lab experiments and observation of specimens.
- CO4 Learn algal indices.

1. Study of microbial flora/planktons found in water/soil samples including pond bottom sediments.
2. Determination of Total alkalinity of different water samples.
3. Estimation of chloride in the water samples.
4. Study on biomes.
5. Determination of biological productivity in water.
6. Estimation of Nygaard's algal indices in a given water sample.
7. Determination of Total Hardness of different water samples.
8. Study of aquatic communities – Aquatic plants and animals.
9. Study of intertidal organisms.
10. Study of mangrove vegetation.