

## **LL.M. 2<sup>ND</sup> SEMESTER**

### **OPTIONAL PAPER**

### **LAW REGARDING ENVIRONMENT AND SUSTAINABLE DEVELOPMENT**

#### **ENERGY, CLIMATE CHANGE AND IMPACTS ON ENVIRONMENT**

Paper: 204 - D

Max. Marks: 100

Credits: 5

Time: 3 Hours

Note:

1. There shall be total Five Units in the question paper.
2. Unit-I shall contain one compulsory question having four parts of five marks each. This question shall be spread over the entire syllabus.
3. There shall be two questions in each Unit i.e. Unit-II to Unit-V.
4. The student is required to attempt four questions by selecting one question from each unit i.e. Unit-II to Unit-V. Each question shall carry twenty marks.

#### **COURSE OBJECTIVES:**

- To understand the structure, challenges, and advancements in the energy sector in India.
- To analyze the development, challenges, and future prospects of nuclear energy in India.
- To examine international climate change regulations and agreements.
- To evaluate policies aimed at mitigating and adapting to climate change impacts globally..

#### **UNIT-I**

##### ***Energy sector in India***

- Legal frameworks relating to Electricity.
- Importance and need of Energy Conservation in India.
- Renewable Energy Production in India.

#### **UNIT-II**

##### **Nuclear Energy in India**

- Definition, Extent and Scope of Nuclear Energy :Importance of the Nuclear Energy as a Renewable energy.
- The Emergence of Environmental Concerns in Nuclear power of India.
- Incurrence of Liabilities against Nuclear Damage.

- Principles governing nuclear liability: Safety principles, Security, Prevention and Protection, Responsibility, Compensatory, Sustainable and developmental, Interdependence and Transparency, Strict and No – fault liability, Nuclear Energy Park.

### **UNIT-III**

#### ***International Climate Change Regulations***

- The Global Climate Changes Regime and its interaction with Indian Laws.
- Concept of Carbon credit and carbon trading.
- Theories of Climate Change (eco-feminism).

### **UNIT-IV**

#### ***Policies relating to Climate Change***

- Climate change Action at the local level.
- Contribution of the courts to climate change law.
- Role of Extra-Judicial bodies in conservation of environment.
- Climate change: Domestic Policy ideas to protect the Planet.
- Challenges and Loopholes in Environmental Protection Strategies.

### **COURSE OUTCOME:**

- Students will be able to demonstrate a comprehensive understanding of the energy landscape in India, including key players, technologies, and policy frameworks.
- Students will be able to assess the role of nuclear energy in India's energy mix, considering its benefits, risks, and socio-environmental implications.
- Students will be able to analyze the effectiveness and limitations of international climate change regulations in addressing global warming and its impacts.
- Students will be able to evaluate the implementation and effectiveness of policies aimed at reducing greenhouse gas emissions and promoting climate resilience at the national and international levels.
- Students will be able to develop critical thinking skills to assess the interconnections between energy, climate change, and environmental impacts, and propose informed solutions to related challenges..

### **SUGGESTED READINGS:**

1. Mridula Ramesh : The Climate Solution: India's Climate Change Crisis and what we can do about it, Harchette Book Publishing India Pvt. Ltd.
2. Harvey, D. 2000 : Climate and Global Change, Prentice Hall
3. Philander : Encyclopedia of Global Warming and Climate Change (2nd edition), Sage Publications.
4. Sushil Kumar Dash : Climate Change, Cambridge University Press India Pvt. Ltd.