

PGDAV College (Evening)

(University of Delhi)

DEPARTMENT OF ENVIRONMENTAL STUDIES

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Lesson Plan: Even Semester 2023-24

Paper: E-waste, legislation, Trade and Management

Week	Topics to be covered
1	Unit 1: E-waste Composition, Generation and Management: Definition, Composition and generation.
2	Unit 1 (Contd.): Global and national perspective, Co-pollutants, Hazardous properties, Effects on human health and environment. Domestic e-waste disposal.
3	Unit 1 (Contd.): E-waste Management: Basic principles, Components, Resource recovery potential, Technologies for recovery of resources, Steps in recycling and recovery of materials- mechanical processing, Occupational and environmental health effects.
4	Unit 2: Global trade of E-waste: Factors in global waste trade economy, Waste trading and electronic recycling, Free trade agreements as a means of waste trading.
5	Unit 2 (Contd.): Import of hazardous e-waste in India; India's stand on liberalizing import rules, E-waste economy in the organized and unorganized sector, Production and recycling of e-wastes in Indian metro cities.
6	Unit 3: Control measures: Need for stringent health safeguards and environmental protection laws in India, Extended Producers Responsibility (EPR), Import of e-waste permissions, Producer-Public-Government cooperation.
7	Unit 3 (Contd.): Administrative Controls & Engineering controls, monitoring of compliance of Rules, Effective regulatory mechanism strengthened by manpower and technical expertise, Reduction of waste at source.

8	Unit 4: Hazardous Waste Rules, 2008, E-waste (Management and Handling) Rules, 2011; and E- Waste (Management) Rules, 2016 - Salient Features and its likely implication. Government assistance for TSDFs.
9	Unit 4 (Contd.): The international legislation: The Basel Convention; The Bamako Convention. The Rotterdam Convention. Waste Electrical and Electronic Equipment (WEEE) Directive in the European Union, Restrictions of Hazardous Substances (RoHS) Directive.
10-16	Field Work/ Project Work/Revision/Remedial Classes/ Documentaries' screening etc.

