

Dr. Manika Rai Lesson Plan (2026-27) B.Sc. II Sem - Waste
Env. Prof. Chemistry Management

Aug 2026 - waste - classification, generation, characteristics,
Basic aspects, handling, transfer, transport, processing
techniques, disposal. Hazardous waste, Biomedical
waste, E-waste sources

Sept 2026 - Disposal, Sanitary land filling, Site Selection,
design, operation, leachate, incineration, types,
plasma pyrolysis, Composting, mini-composting.

Oct 2026 - Principles of Industrial waste, sources, properties,
manufacturing, flow sheet, waste reduction, fermentation,
planting, petroleum refineries.

Nov 2026 - Role of Biotechnologies waste, Composting,
sewage treatment, Sludge, bioremediation,
Biological methods, Bioremediation, Biodiesel,
Biohydrogen

mm

Lesson Plan (2026-27) B.A. 3rd VOC

Dr. Monika Ravi,
Asst. Prof. Chemistry.

Biomedical waste
Management

Aug 2026 - Introduction: Definition, Classification, Significance, Health & environmental risks.

Sep 2026 - National & International regulations & guidelines, Role of regulatory bodies & Compliance requirements - Segregation & Collection techniques, Lab Coding, Safe handling.

Oct 2026 - PPE, Collection method, Transportation, Documentation & record keeping. Treatment & disposal overview of technologies, Environment Impact assessment, Disposal methods, land-filling, Disposal, Effective waste treatment & disposal process.

Nov 2026 - Infection Control & Safety practices - Prevention occupational health, Safety practices, Training programs, Auditing, Monitoring, Public awareness, Campaigns & Community engagement.

MB

Dr. Monika Kaur
Dept. of Chemistry

Lesson Plan (2026-27) B.A I Sem Ist
NDC - Introductory
Chemistry

Aug 2026 - Atomic Structure & Bonding - Introduction,
Chemical bonding, Representation, Lewis structure,
electronic configuration.

Sep 2026 - Carbon & its Compounds - Introduction,
Tetravalency, Allotropes, hydrocarbon, nomen-
clature, Application.

Oct 2026 - Polymers - Introduction, Synthetic,
natural polymer, Homopolymer, Copolymer,
uses & properties,

Nov 2026 - Food preservatives - Natural,
Synthetic, uses, properties, artificial
sweetners, uses & properties.

nr