

Lesson Plan (2025-26)

Name : Smt. Ankita
Discipline : Common for all branches
Semester : 1st Sem.
Subject : ES & DM
Code : 220016
Duration : 04/08/25 - 26/11/25
Workload : 2 Lectures per week

Lecture No.	Lecture Topic
1.	Basics of Ecology, Eco system Concept and sustainable development
2.	Sources, advantages, disadvantages of renewable and non-renewable energy
3.	Rain Water Harvesting
4.	Deforestation – its effects and control measures
5.	Air and Noise Pollution: Air Pollution: Source of Air Pollution
6.	Effect of Air Pollution on Human Health, Economy, Air Pollution control Methods
7.	Noise Pollution: Sources of Noise Pollution, unit of noise ,Effect of Noise Pollution, Acceptable Noise Level, different Methods of minimizing Noise Pollution
8.	Revision of Above topics
9.	Water and Soil Pollution: Water Pollution: Impurities in water, Cause of water Pollution
10.	Sources of water Pollution, Effect of water pollution on human health
11.	Concept of DO, BOD, COD
12.	Prevention of water Pollution- water treatment processes
13.	Sewage treatment ,Water quality standard
14.	Soil Pollution: Sources of soil Pollution
15.	Effect and control of soil pollution
16.	Type of solid waste- House hold, Industrial, Agricultural, Bio-Medical, Disposal of Solid waste
17.	Solid waste management E-waste ,E-waste management
18.	Impact of Energy Usage on Environment: Global Warming ,Green House Effect, Depletion of Ozone Layer
19.	Acid Rain, Eco Friendly Material, Recycling of Material, Concept of Green Building
20.	Concept of Carbon credit and Carbon Foot Print
21.	Disaster Management: Different type of Disaster, Natural Disasters such as Flood, Cyclone, Earth Quake and Landslides etc.
22.	Manmade Disasters such as Fire, Industrial Pollution, Nuclear Disasters, biological Disasters.
23.	Accidents (Air, Sea, Rain and Road) , Structural Failures (Building and Bridges), War and Terrorism
24.	Disaster Preparedness plan, Prediction
25.	Early warnings and safety measures of Disaster Psychological Response
26.	Management of Trauma, Stress, Rumour and Panic
28.	Revision
29.	Discussion of Previous Question Paper

Note: There will be Class Tests, Assignments, Sessional Exams and Quizzes etc. will be given as per Academic Calendar.


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(Sh. Narender Rana)


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Member - 2
(Smt. Sonia)


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