Lesson Plan

Name : Ankita

Discipline : Civil and Electrical Engg.

Semester : 2nd

Subject : ES&DM

Code : 220026

Session : 2023 –2024

Work Load : 2 Lectures, per week

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| Day | Lecture |
| Sr. No. | 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 A 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 Disaster Preparedness plan : Prediction , |
| 25. | Early warnings and safety measures of Disaster Psychological Response |
| 26. | Management of Trauma, Stress, Rumour and Panic |
| 27. | Revision of Unit -1 |
| 28. | Revision of Unit -2 |
| 29. | Revision of Unit -3 |
| 30. | Revision of Unit -4 |
| 31. | Revision of Unit -5 |
| 32. | Discussion of Previous Question Paper |