

## FOR ENGINEERING DIPLOMA LEVEL CORE SUBJECT

For the branches in Civil, Electrical, Mechanical, Industrial, Agriculture, Environmental, Production, Electric

1. Subject Code: Course Title: Environmental Impact Assessment

2. Contact Hours: L: T: P:

3. Examination Duration (Hrs.): Theory : Practical :

4. Relative Weightage : CWS PRS MTE ETE  
PRE

5. Credit:

6. Semester:

Autumn

Spring

Both

7. Pre-requisite: NIL

8. Subject Area:

9. Details of Course:

10. Details of Course:

Sl. No.	Particulars	Contact Hours
1.	Introduction To Environment: Definition, scope, components, structure and composition. Environmental quality, monitoring and base line data.	4
2.	Sustainable Development: Present and future development needs; exploitation of natural resources, environmental harmony, economic efficiency and social justice. Symbiotic relationship. Concept of carrying capacity.	6
3.	Environmental pollution due to increasing growth rate, population and human interaction. Water, land and air pollution.	5
4.	Environmental Protection acts, Rules and Standards.	4
5.	Environmental Impact Assessment: Definition and scope, preliminary screening requiring EIA of projects. Impact identification, Assessment of Impact; Impact Evaluation. Types of EIA, rapid and comprehensive.	5
6.	Methods of environment impact assessment; ad-hoc method, maps and overlays, check lists, matrix, cause condition impacts.	4
7.	Procedure For EIA Clearance: EIA review and screening; state level screening, clearance from DOE and MOEF.	2
8.	Environmental Management: Preventive policy of environment, waste minimisation, conservation of water and energy, use of renewable, sources, pollution audit, pollution control strategy, disposal of treated effluents, solid waste disposal concept of green cities, green belt development.	8
9.	Post Project Monitoring: Physical, biological and aesthetics.	4

## **Suggested Readings:**