

Reg. No.

प्रज्ञानं ब्रह्म



INSPIRED BY LIFE

Manipal Institute of Technology, Manipal

(A Constituent Institute of Manipal University)



VIIth SEMESTER B.TECH END SEMESTER EXAMINATIONS, NOV/DEC 2015

SUBJECT: ENVIRONMENTAL IMPACT ASSESSMENT AND AUDITING (CIE 431)

REVISED CREDIT SYSTEM

Time: 3 Hours

MAX. MARKS: 50

Instructions to Candidates:

- ❖ Answer **ANY 5 FULL** questions.
- ❖ Draw sketch wherever necessary using pencil only.

1A.	Explain the effects of Land Clearance Activity projects on the forest areas.	3
1B.	List out the various steps in EIA process with a flow diagram.	4
1C.	What is SEA? Differentiate between EIA and SEA.	3
2A.	Explain the different types of EIA.	4
2B.	List different desirable characteristics of an EIA methodologies.	3
2C.	Explain Leopold matrix with an example?	3
3A.	Give a short note on induced impacts of road project.	3
3B.	Explain the process by which the cumulative environmental changes can occur in a project.	3
3C.	Explain the Direct and Indirect impacts of a project on a soil and water.	4
4A.	List the basic components of EIA. Explain in detail air and water environment.	4
4B.	Define baseline data. Discuss the various baseline data collected for highway projects.	4
4C.	Differentiate between primary and secondary standards in National Ambient Air Quality Standards.	2
5A.	Define water quality index. Why do we need water quality index in EIA?	3
5B.	Explain the basic principles for writing EIS.	3
5C.	Explain the six step model for impact prediction and assessment.	4
6A.	Discuss the various problems in implementing public participation.	2
6B.	Explain the environmental clearance procedure in India.	4
6C.	Define Environmental Auditing. Explain the various client driven auditing.	4