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MANIPAL INSTITUTE OF TECHNOLOGY
MANIPAL
A Constituent Institution of Manipal University

II SEMESTER M.TECH. (ENVIRONMENTAL ENGINEERING)
END SEMESTER EXAMINATIONS, APRIL/MAY 2017
SUBJECT: ECOLOGY AND ENVIRONMENTAL IMPACT ASSESSMENT
[CIE 5221]
REVISED CREDIT SYSTEM

(20/04/2017)

Time: 3 Hours

MAX. MARKS: 50

Instructions to Candidates:

- ❖ Answer **ALL** the questions.
- ❖ Missing data may be suitable assumed.

1A.	What are the criteria used for selecting best EIA method in a given situation.	5
1B.	Explain energy flow in an ecosystem.	5
2A.	Discuss various steps to be followed for a systematic approach for the study of prediction and assessment of impacts of any development activity on soil and groundwater.	4
2B.	Explain i) Phosphorus cycle. ii) Population ecology	5
3A.	Discuss different activities in mining project likely to have impacts on land attribute.	5
3B.	Explain i) Pyramid of biomass ii) Primary productivity	5
4A.	Explain what is meant by social assessment? Why socioeconomic impacts are important in EIA of a major development project?	5
4B.	Explain i) Induced impact ii) Cumulative impact	5
5A.	What are the salient features of matrix method?	5
5B.	Write short notes on i) Limitations of EIA ii) Ecotone	5
