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MANIPAL INSTITUTE OF TECHNOLOGY
MANIPAL
(A constituent unit of MAHE, Manipal)

VII SEMESTER B.TECH. (CIVIL ENGINEERING)

END SEMESTER EXAMINATION NOV 2022

SUBJECT: ENVIRONMENTAL IMPACT ASSESSMENT & AUDITING

PE-III [CIE-4056]

REVISED CREDIT SYSTEM

(/ 11 / 2022)

Duration: 3hrs

Time:

Max Marks: 50

Instructions to Candidates:

- ❖ Answer **ALL** the questions.
- ❖ Missing data may be suitably assumed.
- ❖ Draw neat sketches wherever necessary.

SL. NO.	QUESTIONS	MARKS	CO's	BL
1A.	Explain in brief the conceptual approach for Environmental Impact Assessment studies.	05	CO1	2
1B.	Define the terms:- i) EI ii) EIS iii) FONSI	03	CO1	1
1C.	What is IAA and its role in the EIA studies?	02	CO1	2
2A.	Explain in detail the matrix methodology of impact identification.	05	CO1	3
2B.	Explain environmental indices with suitable examples.	03	CO3	2
2C.	Discuss the role of public participation in EIA studies.	02	CO3	2
3A.	Explain in general the six step activity model involved in the assessment and prediction of impacts on air environment.	05	CO2	3
3B.	Discuss the different types of errors that can occur in the preparation of written document.	03	CO3	2
3C.	Explain in brief the two types of environmental monitoring.	02	CO4	2

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4A.	Explain in brief the EIA procedure for mining project.	05	CO4	3
4B.	Give any six mitigation measures that can be applied for the cultural environment.	03	CO2	3
4C.	Write the principles of Mills and Walter used in the preparation of written document.	02	CO3	2
5A.	Explain in detail the objective based audit.	05	CO5	2
5B.	Differentiate between review and audit.	03	CO5	2
5C.	What is the need for environmental audit?	02	CO5	2