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B.M.S. College of Engineering, Bengaluru-560019

Autonomous Institute Affiliated to VTU

September / October 2023 Supplementary Examinations

Programme: B.E.

Branch: Civil Engineering

Course Code: 21CV8PEEIA

Course: Environmental Impact Assessment

Semester: VIII

Duration: 3 hrs.

Max Marks: 100

Date: 12.09.2023

Instructions: 1. Answer any FIVE full questions, choosing one full question from each unit.
2. Missing data, if any, may be suitably assumed.

Important Note: Completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
Revealing of identification, appeal to evaluator will be treated as malpractice.

UNIT - I

1	a)	Define Environmental Impact Assessment. Explain the necessity of EIA.	06
	b)	Draw the flow diagram to relate EIA, EIS and FONSI.	06
	c)	Define EIS and list any four advantages of EIA.	04
	d)	Explain base line information required for EIA process.	04

UNIT - II

2	a)	What are the objectives of EIA?	06
	b)	Explain the step by step procedure for conducting EIA	08
	c)	Explain limitations of EIA.	06

UNIT - III

3	a)	Explain briefly the contents of EIA report.	10
	b)	List the different types of EIA methodologies. Explain two of them with advantages and disadvantages	10

UNIT - IV

4	a)	Write a note on environment attributes	05
	b)	Explain the basic steps in prediction and assessment of impacts on surface water environment	10
	c)	Differentiate between rapid EIA and comprehensive EIA	05

OR

5	a)	Explain briefly the procedure for assessment of impacts on noise environment	10
	b)	List the different techniques utilized for public participation in preparing EIA and mention the most traditional technique.	05
	c)	Write the Objectives of public involvement in different stages of EIA process.	05

UNIT - V

6 a) Explain the various Environmental impacts of the Highway and road development projects? **10**

b) Explain the environment impacts of a mining project. **10**

OR

7 a) Explain the various activities involved in a coal based thermal power plant? Mention the stakeholders and Environmental impacts of thermal power plants. **10**

b) Explain the various Environmental Impacts and risks involved in Nuclear power plants. **10**

SUPPLEMENTARY EXAMS 2023