

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

Autonomous Institute Affiliated to VTU

May / June 2025 Semester End Main Examinations

Programme: B.E.

Semester: 8

Branch: Civil Engineering

Duration: 3 hrs.

Course Code: 22CV8PEEIA

Max Marks: 100

Course: Environmental Impact Assessment

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

UNIT - I			CO	PO	Marks
1	a)	Assess the purpose and necessity of conducting an Environmental Impact Assessment (EIA).	CO1	PO1	10
	b)	Analyze the benefits and limitations associated with EIA in the context of developmental planning.	CO1	PO1	10
OR					
2	a)	Examine the relationship between EIA, Environmental Impact Statement (EIS), and Finding of No Significant Impact (FONSI).	CO1	PO1	10
	b)	Elucidate the various types of EIA and their relevance to environmental regulation.	CO1	PO1	10
UNIT - II					
3	a)	Explicate the sequential stages in the EIA process using a schematic representation.	CO1	PO1	10
	b)	Examine the MoEF's siting guidelines for developmental projects in the Indian context.	CO1	PO1	10
OR					
4	a)	Assess the key changes in EIA notifications issued in India over time.	CO1	PO1	10
	b)	Analyze the framework of impact assessment with specific reference to Indian environmental governance	CO1	PO1	10

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 - III					
5	a)	Examine the effects of proposed projects on various environmental attributes.	CO2	PO1	10
	b)	Assess the various methodologies used in conducting EIA.	CO2	PO1	10
OR					
6	a)	Explicate the basis for choosing appropriate EIA methodologies.	CO2	PO1	10
	b)	Evaluate the strengths and weaknesses of the Ad hoc and checklist-based EIA methods.	CO2	PO1	10
UNIT - IV					
7	a)	Elucidate the importance of public participation and related regulatory requirements in the EIA process.	CO3	PO1	10
	b)	Assess the pros and cons of involving the public in the EIA process in India.	CO3	PO1	10
OR					
8	a)	Examine the objectives and different levels of public participation in EIA processes.	CO3	PO1	10
	b)	Analyze the criteria for selection of public participation techniques.	CO3	PO1	10
UNIT - V					
9	a)	Prepare an EMP for dam construction project considering pre-construction, during construction and post construction stages.	CO3	PO1	10
	b)	Prepare an EMP for airport project considering pre-construction, during construction and post construction stages.	CO3	PO1	10
OR					
10	a)	Prepare an EMP for hazardous waste disposal sites project considering pre-construction, during construction and post construction stages.	CO3	PO1	10
	b)	Prepare an EMP for highways project considering pre-construction, during construction and post construction stages.	CO3	PO1	10
