

U.S.N.

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

Autonomous Institute Affiliated to VTU

May / June 2025 Semester End Main Examinations**Programme: B.E.****Semester: VIII****Branch: Civil Engineering****Duration: 3 hrs.****Course Code: 21CV8PEEIA****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.

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	CO	PO	Marks
	1	a)	Enumerate the various environmental acts in India and explain their actions towards protection of Environment	CO1	PO1	10
		b)	Briefly explain the importance of baseline information in EIA	CO1	PO1	10
			OR			
	2	a)	Define EIA. With the help of flowchart, explain relationship between EIA, EIS and FONSI	CO1	PO1	10
		b)	Describe how Environmental Impact Assessment (EIA) Evolved in India over time?	CO1	PO1	10
			UNIT - II			
	3	a)	Describe how does India implement the framework for assessing environmental impacts of development projects	CO1	PO1	10
		b)	What Are the Key Guidelines Issued by the Ministry of Environment and Forests (MoEF) for Siting Developmental Projects in India?	CO1	PO1	10
			OR			
	4	a)	Explain in detail the Hierarchy followed in EIA.	CO1	PO1	10
		b)	With the help of flow chart, explain the step-by-step procedure for conducting EIA in India	CO1	PO1	10
			UNIT - III			
	5	a)	Explain in detail the matrix method and overlay method of assessing EIA.	CO2	PO1	10
		b)	Discuss the methodological steps involved in the assessment and prediction of impacts on the Noise environment.	CO2	PO1	10
			OR			
	6	a)	Discuss the strength, weakness and applicability of any two methodologies of EIA	CO2	PO1	10

		b)	Explain the frame work of impact assessment related to Indian conditions	CO2	PO1	10
			UNIT - IV			
7	a)		Explain the advantages and disadvantages of public participation	CO3	PO1	10
	b)		Discuss the various steps involved in assessment and prediction of impact on land Environment.	CO3	PO1	10
			OR			
8	a)		Discuss the various steps involved in assessment and prediction of impact on ecology Environment.	CO3	PO1	10
	b)		Discuss the various steps involved in assessment and prediction of impact on socio economic Environment.	CO3	PO1	10
			UNIT - V			
9	a)		Discuss the various environmental impacts due to Airport project.	CO3	PO1	10
	b)		Discuss the various environmental impacts due to water resources project.	CO3	PO1	10
			OR			
10	a)		Discuss the various environmental impacts due to waste disposal site project.	CO3	PO1	10
	b)		Discuss the various environmental impacts due to nuclear power plant project.	CO3	PO1	10
