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# 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.

			<b>UNIT - I</b>	<i>CO</i>	<i>PO</i>	<b>Marks</b>
<b>Important Note:</b> Completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages. Revealing of identification, appeal to evaluator will be treated as malpractice.	1	a)	Enumerate the various environmental acts in India and explain their actions towards protection of Environment	<i>CO1</i>	<i>PO1</i>	<b>10</b>
		b)	Briefly explain the importance of baseline information in EIA	<i>CO1</i>	<i>PO1</i>	<b>10</b>
	<b>OR</b>					
	2	a)	Define EIA. With the help of flowchart, explain relationship between EIA, EIS and FONSI	<i>CO1</i>	<i>PO1</i>	<b>10</b>
		b)	Describe how Environmental Impact Assessment (EIA) Evolved in India over time?	<i>CO1</i>	<i>PO1</i>	<b>10</b>
	<b>UNIT - II</b>					
	3	a)	Describe how does India implement the framework for assessing environmental impacts of development projects	<i>CO1</i>	<i>PO1</i>	<b>10</b>
		b)	What Are the Key Guidelines Issued by the Ministry of Environment and Forests (MoEF) for Siting Developmental Projects in India?	<i>CO1</i>	<i>PO1</i>	<b>10</b>
	<b>OR</b>					
	4	a)	Explain in detail the Hierarchy followed in EIA.	<i>CO1</i>	<i>PO1</i>	<b>10</b>
		b)	With the help of flow chart, explain the step-by-step procedure for conducting EIA in India	<i>CO1</i>	<i>PO1</i>	<b>10</b>
	<b>UNIT - III</b>					
	5	a)	Explain in detail the matrix method and overlay method of assessing EIA.	<i>CO2</i>	<i>PO1</i>	<b>10</b>
		b)	Discuss the methodological steps involved in the assessment and prediction of impacts on the Noise environment.	<i>CO2</i>	<i>PO1</i>	<b>10</b>
	<b>OR</b>					
	6	a)	Discuss the strength, weakness and applicability of any two methodologies of EIA	<i>CO2</i>	<i>PO1</i>	<b>10</b>

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

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