

U.S.N.

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

Autonomous Institute Affiliated to VTU

**July 2023 Semester End Main Examinations****Programme: B.E.****Branch: Civil Engineering****Course Code: 21CV8PEEIA****Course: Environmental Impact Assessment****Semester: VIII****Duration: 3 hrs.****Max Marks: 100****Date: 08.07.2023**

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

<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.			<b>UNIT - I</b>	<b>CO</b>	<b>PO</b>	<b>Marks</b>
	1	a)	Define rapid EIA and comprehensive EIA. With the help of the flow diagram, explain EIA, EIS & FONSI relationship.	CO1	PO1	10
		b)	Explain the need for EIA studies	CO1	PO1	04
		c)	Baseline information is required to understand the original status of environment. Elaborate the statement.	CO1	PO1	06
			<b>UNIT - II</b>			
	2	a)	With neat flow chart, explain the Step- by- step procedure for conducting EIA	CO2	PO3	10
		b)	Certain guidelines are given by MOEF while sitting developmental projects. Elaborate it.	CO2	PO3	05
		c)	Hierarchy in EIA plays a vital role in mitigating environmental impacts. Discuss with flow chart.	CO2	PO3	05
			<b>UNIT - III</b>			
	3	a)	Explain the Criteria for the Selection of EIA Methodology	CO2	PO4	10
		b)	List out the various methodologies available for assessing the impacts of developmental activities on the environment. Discuss in detail any two methods.	CO2	PO4	10
			<b>UNIT - IV</b>			
	4	a)	Discuss the various steps involved in assessment and prediction of impact on Air Environment.	CO3	PO4	10
		b)	Define Public Participation. Explain the advantages and disadvantages of public participation.	CO3	PO4	10
			<b>OR</b>			
	5	a)	Discuss the various steps involved in assessment and prediction of impact on Socio Economic Environment.	CO3	PO4	10
		b)	Discuss the various steps involved in assessment and prediction of impact on water Environment.	CO3	PO4	10

		<b>UNIT - V</b>			
6	a)	Discuss the various environmental impacts due to Thermal power plant	<i>CO4</i>	<i>PO1</i>	<b>10</b>
	b)	Discuss the various environmental impacts due to Water resource development projects.	<i>CO4</i>	<i>PO1</i>	<b>10</b>
		<b>OR</b>			
7	a)	Discuss the various environmental impacts due to Nuclear power plant.	<i>CO4</i>	<i>PO1</i>	<b>10</b>
	b)	Discuss the various environmental impacts due to Infrastructure Construction Activities.	<i>CO4</i>	<i>PO1</i>	<b>10</b>

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B.M.S.C.E. - EVEN SEM 2022-23