Set No. 1

## IV B.Tech I Semester Regular/Supplementary Examinations, Jan/Feb – 2022 ENVIRONMENTAL IMPACT ASSESSMENT AND MANAGEMENT (Civil Engineering)

Time: 3 hours Max. Marks: 70

Question paper consists of Part-A and Part-B Answer ALL sub questions from Part-A Answer any FOUR questions from Part-B

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		PART-A (14 Marks)	
Ι.	a)	List out different stages involved in EIA.	[2]
	b)	List-out various ad-hoc methods used for EIA.	[2]
	c)	Define the terms aquifer and aquitard.	[3]
	d)	What kind of EIA methods to be followed in assessing the impacts on surface water?	[3]
	e)	Explain preventive measures to be taken for minimizing the deforestation.	[2]
	f)	Explain the importance of evaluation of EIA report.	[2]
		$\underline{\mathbf{PART-B}}\ (4x14 = 56\ Marks)$	
2.	a)	Explain in detail about various elements of EIA.	[7]
	b)	Elucidate how the environmental parameters are classified with suitable examples.	[7]
3.	a)	Explicate the criteria to be followed for the selection of EIA methodology.	[7]
	b)	List out matrix methods of analyzing EIA and explain any two methods.	[7]
1.	a)	Describe various applications of GIS in analysis of EIA	[7]
	b)	What kind of remedial measures can be taken to prevent the hostile effects of developmental activities?	[7]
5.	a)	Describe various environmental impacts on soil and ground water.	[7]
	b)	Reveal the identification and Incorporation of mitigation measures to prevent the environmental impacts on soil and ground water.	[7]
ó.	a)	Explain the detailed procedure of Assessment of Environmental Risk in EIA and how to manage the same.	[8]
	b)	Explicate the advantages involved in assessing the Environmental Risk.	[6]
7.	a)	What is the necessity of getting environmental clearance for a project? Explain the procedure involved in getting the same.	[8]
	b)	Explain about the Environmental legislation objectives.	[6]