

**GUJARAT TECHNOLOGICAL UNIVERSITY**

**BE- SEMESTER-VII (NEW) EXAMINATION – WINTER 2024**

**Subject Code:3174029**

**Date:11-12-2024**

**Subject Name: Environmental Impact Assessment**

**Time:10:30 AM TO 01:00 PM**

**Total Marks:70**

**Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Simple and non-programmable scientific calculators are allowed.

		MARKS
Q.1	(a) Define environment management. Enlist its characteristics.	03
	(b) Comment on Ethics and the Environment. What are the different types of Environmental Ethics?	04
	(c) Define Environmental Impact Assessment (EIA). Describe the purpose of EIA.	07
Q.2	(a) Enlist the principles of international law.	03
	(b) Describe the various Environmental Policy Instruments (EPI).	04
	(c) Discuss the evolution of environmental legislations in India.	07
<b>OR</b>		
	(c) Enlist the major environment policies and legislations in India. Briefly describe any two.	07
Q.3	(a) What are the objectives of EIA notification 2006?	03
	(b) Explain the benefits of environmental assessment.	04
	(c) Write note on Strategic Environmental Assessment (SEA).	07
<b>OR</b>		
Q.3	(a) Define Environmental Impact Statement (EIS).	03
	(b) Explain the methodological difference between EIA and SEA.	04
	(c) Describe the steps involved in EIA.	07
Q.4	(a) Enlist the factors affecting duration on EIA.	03
	(b) Explain the matrix methodologies of EIA.	04
	(c) Describe the steps to evaluate the significance of an environmental impact.	07
<b>OR</b>		
Q.4	(a) What are the possible mitigation measures adopted to prevent or reduce the adverse impact of a development project on environment?	03
	(b) Explain the network methodologies of EIA.	04
	(c) Write a note on environmental clearance procedure in India.	07
Q.5	(a) Define liabilities audit, management audit and activities audit.	03
	(b) What are the objectives of an environmental audit?	04
	(c) Describe the general steps involved in an audit procedure.	07
<b>OR</b>		
Q.5	(a) Enlist reasons for carrying an environmental audit.	03
	(b) Discuss the basic elements of an environmental audit.	04
	(c) Describe objective-based and client-driven audits.	07

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