

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE- SEMESTER-VII (NEW) EXAMINATION – WINTER 2024****Subject Code:3171311****Date:19-11-2024****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.

		<b>MARKS</b>
<b>Q.1</b>	(a) Define Sustainable Development and its need.	<b>03</b>
	(b) Write down composition of SEIAA and SEAC.	<b>04</b>
	(c) Enlist and explain sustainable development goals.	<b>07</b>
<b>Q.2</b>	(a) Differentiate between Short term Impact and Long Term Impact with example.	<b>03</b>
	(b) Highlight importance of Public Participation in EIA Process.	<b>04</b>
	(c) Explain Regional Carrying Capacity based Sustainable Development.	<b>07</b>
	<b>OR</b>	
	(c) Enlist and explain the stages of Environmental Clearance process as per EIA, Notification, 2006.	<b>07</b>
<b>Q.3</b>	(a) Differentiate between checklist and adhoc methods.	<b>03</b>
	(b) How is mitigation important in EIA process?	<b>04</b>
	(c) Discuss EIA as a four step activity.	<b>07</b>
	<b>OR</b>	
<b>Q.3</b>	(a) Distinguish between primary, secondary and tertiary impacts with example.	<b>03</b>
	(b) Discuss Environmental Management Plan for construction Project.	<b>04</b>
	(c) Explain the procedure of public hearing as per EIA Notification, 2006.	<b>07</b>
<b>Q.4</b>	(a) Differentiate between Reversible Impact and Irreversible Impact with example.	<b>03</b>
	(b) Categorized the following projects as per EIA Notification, 2006	<b>04</b>
	1. Construction Project = more than 20000 m <sup>2</sup> built up area	
	2. Coal based power plant = capacity 200 MW	
	3. Coal Mining = 30 ha.	
	4. CETP = without incinerator in industrial area	
	(c) Enlist EIA methodology. Explain any one detail.	<b>07</b>
	<b>OR</b>	
<b>Q.4</b>	(a) Differentiate between screening and scoping in Environmental Clearance process.	<b>03</b>
	(b) Explain common environmental management measure for air and noise.	<b>04</b>
	(c) Enlist and explain detailed contents of EIA Report.	<b>07</b>
<b>Q.5</b>	(a) Identify the impacts during the construction and operation of chemical industries.	<b>03</b>
	(b) Discuss the Environment Management plan for Chemical Industries.	<b>04</b>
	(c) Write a short note on Environmental Attributes.	<b>07</b>
	<b>OR</b>	
<b>Q.5</b>	(a) Identify the impacts of Mining activities.	<b>03</b>
	(b) Discuss the Environment Management plan for Mining project.	<b>04</b>
	(c) Explain purpose, selection of parameters, collection and interpretation of baseline data in baseline study of EIA.	<b>07</b>

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