

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VII (NEW) EXAMINATION – WINTER 2021****Subject Code:3174029****Date:27/12/2021****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) What is Environmental Impact Assessment?	03
	(b) Why is EIA required?	04
	(c) What are the principles of EIA?	07
Q.2	(a) What is meant by environment and what are its components?	03
	(b) Discuss the steps for cleaner production strategies.	04
	(c) Explain direct impacts, indirect impacts and cumulative impacts.	07
OR		
	(c) Explain in details the steps in EIA.	07
Q.3	(a) What is environmental ethics?	03
	(b) Discuss the different participants in EIA.	04
	(c) Discuss the benefits and flaws in EIA.	07
OR		
Q.3	(a) What are private laws and public laws?	03
	(b) Discuss the impact of irrigation development project on the environment.	04
	(c) What is Environmental Impact Statement. Discuss in details its various types.	07
Q.4	(a) Discuss the various screening criteria in EIA.	03
	(b) What are the benefits and difficulties of public participation in EIA?	04
	(c) Explain the criteria for identification of the significant impacts.	07
OR		
Q.4	(a) What are the disadvantages of Leopold matrix method?	03
	(b) Explain the basic principles of international environmental law.	04
	(c) Differentiate between EIA and SEA.	07
Q.5	(a) Discuss the method of scoping in EIA.	03
	(b) What are the impact mitigation measures for air pollution?	04
	(c) Explain the environmental clearance procedure in India.	07
OR		
Q.5	(a) What is environmental auditing?	03
	(b) Explain the different types of audits.	04
	(c) What are the reasons for environmental audit in an organization?	07
