

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VII (NEW) EXAMINATION – SUMMER 2022****Subject Code:3171311****Date:14/06/2022****Subject Name:Environmental Impact Assessment****Time:02:30 PM TO 05:00 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 the following terms; I. Screening II. Scoping III. Public hearing	03
	(b) Discuss the specific & general conditions as per the EIA notification 2006.	04
	(c) Narrate in detail Environmental legislations India for EIA.	07
Q.2	(a) Differentiate between: short term impacts and long-term impacts.	03
	(b) Enlist the key players of the EIA. Explain the role of any two.	04
	(c) Define the base line study & discuss the importance of base line study in EIA.	07
	OR	
	(c) Draw flow chart of the EC procedure along with the time limit.	07
Q.3	(a) Explain the role of the SEAC & SEIAA in EC procedure.	03
	(b) Explain the importance of mitigation in EIA.	04
	(c) Define environmental attributes. Mention and explain the three types of attributes with examples.	07
	OR	
Q.3	(a) Enlist the EIA methods & explain any one in detail.	03
	(b) Give the difference between rapid & comprehensive EIA.	04
	(c) Explain the detailed contents of EIA Report.	07
Q.4	(a) State the principles of sustainable development.	03
	(b) List the different types of checklists methods for EIA& briefly explain anyone.	04
	(c) Discuss various direct and indirect impacts likely to occur for typical (1) Thermal power plant project (2) Port construction project	07
	OR	
Q.4	(a) Write down the significance of value function graph.	03
	(b) Establish the relationship between human activity and environmental impact for dam construction.	04
	(c) Identify the reversible & irreversible likely to occur for typical (i) Mining activity (ii) River valley project	07
Q.5	(a) Define the EIS & how it is different than the EIA?	03
	(b) Explain the latest amendment of EIA notification.	04
	(c) Justify the statement “EIA is anti-development: a myth or fact?”	07
	OR	
Q.5	(a) State the objectives of EIA.	03
	(b) Discuss the significance of public participation in EIA process.	04
	(c) Write a detailed note on role of EIA as an approach to achieve sustainable development.	07
