

Enrollment No./Seat No.:

GUJARAT TECHNOLOGICAL UNIVERSITY
Bachelor of Engineering - SEMESTER - VI EXAMINATION - SUMMER 2025

Subject Code: 116AB01

Date: 10-06-2025

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.**

	Marks
Q.1 (a) What is Environmental Impact Assessment (EIA) and why is it important?	03
(b) What is Environmental Risk Assessment and how does it complement EIA?	04
(c) Define Screening in the EIA. What are the techniques used in screening?	07
Q.2 (a) What are the different types of EIA?	03
(b) What is the purpose of Terms of Reference in an EIA study?	04
(c) Write Short note on: Screening process in EIA	07

OR

(c) Discuss the importance of modeling tools in predicting environmental impacts.	07
Q.3 (a) What are the main components of an Environmental Impact Assessment?	03
(b) What is a matrix in EIA, and how is it used for impact assessment?	04
(c) Describe the steps involved in evaluating the significance of an environmental impact.	07

OR

(a) Which are the air quality models used in EIA?	03
(b) Write about the key standards used to evaluate the quality of an EIA report?	04
(c) Which criteria are used to evaluate the adequacy of impact prediction and mitigation measures?	07
Q.4 (a) What is the role plays the Quality Review Committee (QRC) of MoEFCC in EIA report evaluation?	03
(b) What is the role of NABET accreditation in improving EIA quality in India?	04
(c) What measures can be taken to improve stakeholder participation capacity?	07

OR

(a) How can digital technologies support capacity building in EIA?	03
(b) Why is public participation important in the EIA process?	04

- (c) Briefly explain the various stages involved in Environment Impact Assessment (EIA) with a flow chart. 07

Q.5 (a) What is the purpose of evaluating the EIA? 03

(b) Describe the benefits of Visual Display Materials in Team Writing. 04

(c) What are the criteria suitable for project EIA case study evaluation? 07

OR

(a) Explain importance of Environmental Monitoring? 03

(b) How do CPCB guidelines help standardize environmental monitoring practices in India? 04

(c) What are the components of an Environmental Management Plan (EMP)? 07
