

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER– VIII (New) EXAMINATION – WINTER 2019****Subject Code: 2181302****Date: 27/11/2019****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.

		MARKS
Q.1*	(a) State the objectives of EIA.	03
	(b) Explain the concept of Sustainable Development.	04
	(c) What is sustainable development? Enlist the methods to achieve sustainable development and explain any two.	07
Q.2	(a) EIA is an applicant's report – Justify the statement.	03
	(b) Highlight the difference between primary data and secondary data for EIA process.	04
	(c) Enlist the different agencies for EIA and explain their roles.	07
	OR	
	(c) Enlist the players of EIA and explain any seven.	07
Q.3	(a) Define : Impact Assessment and Impact Statement.	03
	(b) Establish the relationship between human activity and environmental impact for deforestation.	04
	(c) Discuss various direct and indirect impacts likely to occur for typical (i) Land Cleaning Activity and (ii) Road Construction Activity.	07
	OR	
Q.3	(a) Define EIS justifying the statement "EIS is the conclusion of EIA".	03
	(b) Give the significance of value function graph with example.	04
	(c) Write a short note on Environmental attributes. Enlist the Environmental categories and identify relevant environmental attributes under each category.	07
Q.4	(a) Explain the term; (i) TOR (ii) EAC (iii) SEIAA.	03
	(b) What is Baseline study? What is its importance in EIA?	04
	(c) Enlist the detailed contents of EIA and explain any three in detail.	07
	OR	
Q.4	(a) Enlist the four steps of EIA and explain any one in detail.	03
	(b) Differentiate between Rapid and Comprehensive EIA.	04
	(c) Explain the different types of checklist methods for EIA.	07
Q.5	(a) Enlist the requirements of a good EIA method.	03
	(b) What is the importance of public participation in EIA process?	04
	(c) Explain "Interaction matrix" EIA method in detail.	07
	OR	
Q.5	(a) Which type of projects come under B2 category and why?	03
	(b) Explain the terms screening and scoping.	04
	(c) Explain the latest amendment of EIA notification.	07
