

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VIII (NEW) EXAMINATION – WINTER 2018****Subject Code: 2181302****Date: 26/11/2018****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) Enlist the results of non-harmonious development.	03
	(b) Differentiate between adhoc development and harmonious development.	04
	(c) Explain in detail the four steps of EIA process.	07
Q.2	(a) What are the component terms of EIA? Explain.	03
	(b) Differentiate between EIA Notification 1994 & EIA notification amendment 2006.	04
	(c) Give the classification of environmental impacts based on acceptability along with examples.	07
OR		
	(c) Enlist the detailed contents of EIA and explain the importance and method of carrying out baseline monitoring.	07
Q.3	(a) What does DEIAA stand for? Explain its role.	03
	(b) State the principles of sustainable development.	04
	(c) Differentiate between Rapid and Comprehensive EIA. Also propose the criteria for Rapid & Comprehensive EIA.	07
OR		
Q.3	(a) Which type of projects come under B2 category and why?	03
	(b) Write down definition and objectives of EIA.	04
	(c) Enlist the different agencies for EIA and explain their role.	07
Q.4	(a) Explain the term; (i) TOR, (ii) EAC and (iii) SEIAA	03
	(b) Enlist the players of EIA.	04
	(c) Narrate in detail Environmental legislations in India for EIA.	07
OR		
Q.4	(a) What is the role of public participation in EIA process?	03
	(b) Write down the difference between Environmental Impact Assessment and Environmental impact Analysis.	04
	(c) List the various EIA methods. What are the criteria used for selecting best EIA method?	07
Q.5	(a) Describe in detail Biological environment impacts of a Construction Project.	03
	(b) Differentiate between EIA & Environmental Management Plan.	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.5	(a) Write down the procedure for Environmental Clearance with timeline.	03
	(b) List the steps that are to be followed when conducting an EIA for air environment.	04
	(c) Discuss different activities in a major road laying project likely to have impacts on soil and ground water environment.	07
