Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

M.E Sem-I Remedial Examination April 2010

Subject code: 711804

Subject Name: Environmental Impact Assessment

Date: 10 / 04 / 2010 **Time:12.00 noon – 02.30 pm**

Total Marks: 60

Instructions:

1. **Attempt all questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**

Q.1	**(a)**	Define the following terms: (i)Environment (ii)Impact (iii)EI analysis (iv)EI assessment (v)EI statement	**06**
	(b)	Explain with the help of neat diagram EIA as an integral part of overall decision making process.	**06**
Q.2	**(a)**	With the help of a neat diagram establish the relationship between man's action and Environmental impact.	**06**
	(b)	Explain EIA as a four step activity. Describe any one step in detail.	**06**
		OR	
	(b)	Write a brief note on 'EIA' as a:"Environmental planning tool".	**06**
Q.3	**(a)**	EIA is an expensive and time consuming exercise, which being subjective in nature, Serves limited purposes. Give your comments.	**06**
	(b)	With the help of a neat diagram explain the relationship between EI assessment and EI statement.	**06**
		OR	
Q.3	**(a)**	Briefly explain the procedure to be followed for obtaining the environmental clearance from the competent authority.	**06**
	(b)	High light the difference in the procedure to be followed for projects falling under category A, B1, B2.	**06**
Q.4	**(a)**	You are asked to explain to your Air Quality Assessment team the importance of Baseline Monitoring for a new 1000 MW power plant based on coal proposed at a distance of 5 km from the municipal limits of a town. What will you include in your presentation?	**08**
	(b)	Discuss Air Quality Impact mitigation OR Applications of Air Quality assessment.	**04**
		OR	
Q.4	**(a)**	What are the parameters to be included in base line monitoring for National Highway project? Elaborate the same including the likely impacts of the project on each.	**08**
	(b)	Explain Environmental significance.	**04**
Q.5	**(a)**	Discuss how approach to environmental management underwent changes in developed countries from time to time.	**06**
	(b)	Describe key sustainability principles that will help moving in the direction of sustainable industrial development.	**06**
		OR	
Q.5	**(a)**	You are asked to prepare water quality impact assessment for a steel project at a coastal location. Enlist and explain the parameters to be considered.	**06**
	(b)	Explain prediction of impacts of a large project on water quantity.	**06**

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