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Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII • EXAMINATION - WINTER • 2014

Subject Code: 173503 Date: 27-11-2014

Subject Name: Environment Management

Time: 10.30 am - 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.
- Q.1 (a) Kindly draw the water mass balance diagram (Water from GIDC is 217KLD) 07 for Jack & Jill (P) Ltd.

Operations	Rubber	Leather	Waste water of	Waste water
	Chemicals	Chemicals	Rubber	of Leather
	in KLD	In KLD	Chemicals	Chemicals
			in KLD	In KLD
1) Domestic	31	32	31	29
2) Industrial				
2.1) Processing	14	25	10	0
2.2) Boiler	50	00	6	0
2.3) cooling	35	00	10	0
2.4) Washing	10	00	10	0
3) Gardening	10	10		
Total	150	67	36(Only	00(Only
			Industrial)	Industrial)

- **(b)** Which thought processes dominate the global environmental law pattern? 07 0.2 Enlist various agencies connected with pollution control in India and explain 07 (a) structure of any one in detail. **(b)** Write short note on Energy Audit 07 OR Explain various types of Environmental Audit and explain any one in detail? 07 Explain REACH flow diagram of whole process. 0.3 (a) 07 Why PDCA is so important with respect to ISO-14000? 07 **(b)** OR
- Q.3 (a) Explain any two EIS methodologies.
 (b) Describe procedure of public hearing for EIA.
- Q.4 (a) Explain EMS model with chart.
 (b) What are the limitations of LCA?

 OR

Q.4 (a) Explain socio economical aspects of environmental processes.
(b) Explain SEA in detail
07
07

- Q.5 (a) Explain why environmental prospect should be plane at project inception?
 (b) Why Environmental Protection Act- 1986 is popularly known as umbrella act?
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- Q.5 (a) Explain terms Blue Angle and Liability Audit. 07
 - (a) Explain terms Blue Angle and Liability Audit.

 (b) What is Black Box theory?
