

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) for Jack & Jill (P) Ltd. **07**

Operations	Rubber Chemicals in KLD	Leather Chemicals In KLD	Waste water of Rubber Chemicals in KLD	Waste water of Leather Chemicals 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 Industrial)	00(Only Industrial)

- (b)** Which thought processes dominate the global environmental law pattern? **07**
- Q.2 (a)** Enlist various agencies connected with pollution control in India and explain structure of any one in detail. **07**
- (b)** Write short note on Energy Audit **07**
- OR**
- (b)** Explain various types of Environmental Audit and explain any one in detail? **07**
- Q.3 (a)** Explain REACH flow diagram of whole process. **07**
- (b)** Why PDCA is so important with respect to ISO-14000? **07**
- OR**
- Q.3 (a)** Explain any two EIS methodologies. **07**
- (b)** Describe procedure of public hearing for EIA. **07**
- Q.4 (a)** Explain EMS model with chart. **07**
- (b)** What are the limitations of LCA? **07**
- OR**
- Q.4 (a)** Explain socio economical aspects of environmental processes. **07**
- (b)** Explain SEA in detail **07**
- Q.5 (a)** Explain why environmental prospect should be plane at project inception? **07**
- (b)** Why Environmental Protection Act- 1986 is popularly known as umbrella act? **07**
- OR**
- Q.5 (a)** Explain terms Blue Angle and Liability Audit. **07**
- (b)** What is Black Box theory? **07**
