

<b>1E2207</b>	Roll No. _____	Total No of Pages: <b>2</b>
	<b>1E2207</b> <b>B. Tech. I Sem. (Main) Exam., Dec. - 2017</b> <b>CE-101 Environmental Engineering and Disaster Management</b>	

**Time: 3 Hours**

**Maximum Marks: 80**  
**Min. Passing Marks: 28**

*Instructions to Candidates:*

*Attempt any five questions, including Question No.1 which is Compulsory. All questions carry equal marks. Schematic diagrams must be shown wherever necessary. Any data you feel missing suitably be assumed and stated clearly.*

*Units of quantities used/calculated must be stated clearly.*

*Use of following supporting material is permitted during examination. (Mentioned in form No. 205)*

1. NIL

2. NIL

**Q.1 Compulsory, Answer for each sub-question be given in about 25 words- [8×2=16]**

- (a) Distinguish between biotic & abiotic Components.
- (b) Define turbidity.
- (c) Enlist various types of solid waste.
- (d) Define green house effect.
- (e) What is noise?
- (f) Name various types of disasters.
- (g) How can we calculate risk?
- (h) What are the different types of impurities present in water?

- Q.2 (a) What are the functions of state pollution control board? [8]
- (b) Discuss the steps taken by Rajasthan government in the direction of rain water harvesting. [8]
- Q.3 (a) What are the adverse effects of environmental pollution? [8]
- (b) What are the various components of waste water treatment? Discuss waste water treatment with flow chart. [8]
- Q.4 (a) Describe the proper ways for the disposal of solid waste by the municipal societies. <http://www.rtuonline.com> [8]
- (b) How the air pollutants can be classified? [8]
- Q.5 (a) Discuss various measures to control air pollution? [8]
- (b) Explain the harmful effects of noise pollution. [8]
- Q.6 (a) Discuss any four major breakdown of the world in last 50 years. [8]
- (b) Discuss the vulnerability of Indian continents to different types of disaster. [8]
- Q.7 (a) What are the impacts of nuclear and chemical hazards? What measures should be taken against that type of Hazards? [8]
- (b) Explain any two hydrometeorological based disasters. [8]
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