

(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 3101

Roll No.

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**B. Tech****(Semester-I) Theory Examination, 2012-13****ENVIRONMENT & ECOLOGY***Time : 2 Hours]**[Total Marks : 50*

*Note :* Attempt questions from all Sections as per instructions.

**Section-A**Attempt *all* parts of this question.  $2\frac{1}{2} \times 4 = 10$ 

1. (a) What are water-borne diseases ?
- (b) State major components of ecosystem.
- (c) Define greenhouse effect.
- (d) What is eutrophication of lake ?

**Section-B**Attempt any *three* parts of this question.  $5 \times 3 = 15$ 

2. (a) Discuss the four segments of environment.
- (b) What is EIA ? Discuss the methodology for EIA.

- (c) Describe conventional energy resources.
- (d) What do you mean by ozone hole ? Discuss the mechanism of ozone layer depletion.
- (e) Discuss the need of public awareness for environmental protection.

### Section-C

Attempt any *five* questions of this Section.  $5 \times 5 = 25$

- 3. What are the major consequences of over exploitation of mineral resources ? How can they be conserved ?
- 4. "Climate change is the main cause of Global warming." Comment on it.
- 5. Discuss the balanced ecosystem in brief.
- 6. What is solid waste ? What are this types ? Discuss the effect of urban solid waste.
- 7. What are the ill effects of Fluoride problem in drinking water ?
- 8. Define Environment. Enumerate its conservation practices.
- 9. Explain the uses of solar energy in detail.

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2600+2200