

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Tech. (PE/ME/BME/BT/ECE/EE/EEE/EIE)

/ (IE-2008 & Onward Batch) (Sem.-6)

ENVIRONMENTAL SCIENCE

Subject Code : CE-216

Paper ID : [A0483]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students has to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students has to attempt any TWO questions.

SECTION-A**I. Write briefly :**

- a) How does environmental awareness help to protect the environment?
- b) Define ecological succession.
- c) What is meant by bio-fuel? How is it important in environmental conservation?
- d) "Air Pollution has no frontiers". Discuss on the basis of global effects of air pollution.
- e) What are major water pollutants arising out of agricultural practices?
- f) Explain the First law of thermodynamics as applied to ecological energy flows.
- g) List the scope of any four environmental protection laws in India.
- h) Differentiate between sound and noise. How is noise pollution measured.
- i) What are early warning systems? How are they useful in natural disaster management?
- j) Discuss the relationship between human health and environment.

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SECTION-B

2. "In Natural ecosystems, there is little or no w the interrelationship existing in the ecosystem.
3. Consider nuclear energy options in terms c demerits.
4. What is meant by sustainable development? W to achieve sustainable development goals?
5. Suggest possible role of World Wide Web (www management.
6. What are chlorofluorocarbons (CFC)? What a its significance in global atmospheric change.

SECTION-C

7. Look at a typical Indian rural (village) syste point of view. Suggest the specific needs of e the community awareness programmes to enhar to achieve the same.
8. Differentiate between :
 - (i) Energy plantation and carbon sequestration
 - (ii) Carbon credits and carbon trading
 - (iii) Biomass and biogas
 - (iv) Population explosion and population stabilis
9. What are the major biogeochemical cycles in n and minerals in nature? Explain Carbon cycl warming.

