

Roll No.

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Total No. of Pages : 02

Total No. of Questions : 09

B.Tech.(BME)/(BT)/(EIE) (2011 & Onwards)
(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 have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

Q1 Answer briefly :

- a) Why is environmental studies considered multidisciplinary?
- b) Define ecological succession.
- c) What is meant by bio-fuel? How is it important in environmental conservation?
- d) What is acid rain? What are the causes and effects of acid rain?
- e) What are major water pollutants arising out of agricultural practices?
- f) What is biodiversity?
- g) Name any two methods of wasteland reclamation.
- h) What are the causes of noise pollution? How is noise pollution measured?
- i) List the mitigation measures of natural disasters.
- j) What are GHGs? Name any four in the descending order of their effects.

SECTION-B

- Q2 Though population growth shows a global decline, there is still cause for worry, why?
- Q3 What are various renewable energy options? Explain why their use is important.
- Q4 What is meant by sustainable development? What are the global strategies to achieve sustainable development goals?
- Q5 Suggest possible role of World Wide Web (www) and GIS in environmental management.
- Q6 What are chlorofluorocarbons (CFC)? What are its major uses? Explain its significance in global atmospheric change.

SECTION-C

- Q7 a) What is the necessity for a rational land use policy as part of the environmental policy?
- b) Critically examine the unequal consumption patterns of the developed and developing countries.
- Q8 Write notes on :
- a) Public participation and NGO initiatives in India for environmental protection.
- b) Global warming and policy initiatives.
- Q9 Explain the salient features of Solid waste management rules 2016. Highlight the new provisions compared to similar rules in the past.