

Code No: 07A3EC11

R07

Set No. 2

II B.Tech I Semester Examinations, May/June 2012

ENVIRONMENTAL STUDIES

Common to CHEM, AE, E.COMP.E, ETM, ECE

Time: 3 hours

Max Marks: 80

**Answer any FIVE Questions
All Questions carry equal marks**

1. (a) Explain biogeochemical cycles in sustaining life on earth.
(b) Enumerate the branches of ecology. [8+8]
2. Describe the role of any EIGHT of the following Naturalists or Environmentalists or ENGOs with reference to 'Society and Environment':
 - (a) Sundarlal Bahuguna
 - (b) Medha Patkar
 - (c) Indira Gandhi
 - (d) Salim Ali
 - (e) Raschel Carson
 - (f) Sunita Narain
 - (g) Gro Harlem brundtland
 - (h) Maneka Gandhi
 - (i) Willium Wordsworth
 - (j) Louis Pasteur
 - (k) J.C. Bose
 - (l) Ramana Maharshi
 - (m) Helen Keller
 - (n) Wangari Maathai
 - (o) MOEF
 - (p) WWF
 - (q) UNICEF
 - (r) UNO. [16]
3. Discuss briefly the various methods of solid waste management with special reference to Dumping, Hog feeding, Salvaging and Grinding and discharging to sewers. [16]
4. (a) Discuss the interrelationships between natural capital and society.
(b) Write a note on Global atmospheric changes. [6+10]
5. (a) How the waste products are collected and managed in India? How do the waste management practices differ from that in developed countries?

- (b) Explain how the consumption varies between rich, middle class and the poor. [8+8]
6. (a) What are the solar cells? Draw a diagram and enumerate its applications.
(b) In what ways the water available on the earth is exploited [8+8]
7. (a) What is the importance of protecting biodiversity on earth?
(b) Explain the values of Genes with examples. [8+8]
8. (a) Give a detailed report on how the sanitation is being maintained in the hospitals in your area. Give your report. Give suggestions for improving it as a 'Environmental Model Hospital' with reference to sanitation and hygiene.
(b) What is the importance of an "Environmental Awareness Campaign"? Share your experiences on attending/conducting such programs and the benefits you get while doing so. [8+8]

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Set No. 4

II B.Tech I Semester Examinations, May/June 2012

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Common to CHEM, AE, E.COMP.E, ETM, ECE

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(b) Write a note on Global atmospheric changes. [6+10]
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II B.Tech I Semester Examinations, May/June 2012

ENVIRONMENTAL STUDIES

Common to CHEM, AE, E.COMP.E, ETM, ECE

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