

Code No: R10106/R10

Set No. 1

I B.Tech I Semester Supplementary Examinations, Aug. 2015
ENVIRONMENTAL STUDIES
(Common to Mechanical Engineering, Electronics & Communication
Engineering, Chemical Engineering, Information Technology, Electronics &
Computer Engineering, Mining and Petroleum Technology)
Time: 3 hours **Max Marks: 75**

Answer any FIVE Questions
All Questions carry equal marks

1. Bring out the important contributions made by well noted and reputed personalities in contemporary India? [15]
2. (a) Critically discuss the socio-economic implications by de-vegetation and mining activity With a case study?
(b) List out the Coal and Iron mining areas in India and give what is the protocol to be followed to closed down in case of abandoned and empty mines? [8+7]
3. What are the different zones in a ocean. What role is played by oceans in terms of providing resources and regulating climate. [15]
4. (a) What is the role of biotechnology with reference to the biodiversity conservation.
(b) How did the green revolution affect the diversity of food plants? [8+7]
5. (a) What are major effects of radio active pollution on plants, animals and human beings?
(b) Explain the sources of radio active pollution? [8+7]
6. (a) Discuss the salient features of Wild life (protection) Act, 1972
(b) Discuss the salient features of Forest (conservation) Act, 1980 [8+7]
7. Write short notes on the following with examples
(a) Birth rate
(b) Death rate
(c) Poverty
(d) Migration [4+4+4+3]
8. (a) Write about the case study of water pollution that you have visited.
(b) What is the role of river water in the production of agriculture products in the country like India. [8+7]

Set No. 2

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Set No. 3

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(Common to Mechanical Engineering, Electronics & Communication
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Computer Engineering, Mining and Petroleum Technology)
Time: 3 hours **Max Marks: 75**

Answer any FIVE Questions
All Questions carry equal marks

1. Bring out the important contributions made by well noted and reputed personalities in contemporary India? [15]
2. (a) Explain what is the major concern regarding use of atomic power with a case study?
(b) Write short note on hydro power and bio-energy. [7+8]
3. (a) Describe the structure and functions of the ecosystem.
(b) Explain the human influence on nitrogen cycle. [8+7]
4. (a) Explain how the study of biodiversity is beneficial to human life.
(b) Explain about consumptive value of biodiversity. [8+7]
5. (a) How can stagnant solid waste affect human beings?
(b) How solid waste damages aesthetic environment? [8+7]
6. (a) What are the powers provided to the central Government by the Environmental Protection Act, 1986?
(b) Write short note on environmental victims and their rehabilitation? [8+7]
7. Write briefly about the following
(a) Sarwa siksha Abhiyan
(b) Balika samvridhi yojana
(c) Integrated child development services [5+5+5]
8. (a) How would conduct a survey of solid waste pollution in a town?
(b) What is Green Belt and explain the importance of the green belt. [8+7]

Set No. 4

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