

Code No: 07A4EC01

R07**Set No. 2****II B.Tech II Semester Examinations, December 2010****ENVIRONMENTAL STUDIES****Common to CE, ME, BME, IT, MECT, MEP, BT, AME, MMT,
E.CONT.E, EIE, CSE, CSSE, EEE****Time: 3 hours****Max Marks: 80****Answer any FIVE Questions
All Questions carry equal marks**

1. (a) Enumerate the Biosphere Reserves of India.
(b) Explain the term Endemic Species with examples. [8+8]
2. (a) Mention the Four most important air pollutants- their sources and effects on man and environment.
(b) Write a note on Cyclone Scrubbers. Also mention the advantages and disadvantages of these scrubbers. [6+10]
3. (a) Write a short note on Ecotourism?
(b) How is it helpful in improving the quality of tourism?
(c) How Ecotourism is connected to Women and Tribal Welfare Schemes? [6+6+4]
4. (a) 'Welfare of Women and children is the welfare of the Nation'- Discuss.
(b) Write the importance of Water Management in human life. [10+6]
5. (a) Discuss the salient features of an estuarine ecosystem.
(b) Write a note on Arctic Tundra. [8+8]
6. (a) What is the need for studying environmental issues?
(b) What is the scope of environmental education? [6+10]
7. Give a short note on any two of the following:
(a) Climatic changes around the world
(b) Heat Islands
(c) Slums in India. [16]
8. (a) Discuss the major environmental impacts of mineral extraction.
(b) Explain the different types of precipitations. [8+8]

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E.CONT.E, EIE, CSE, CSSE, EEE****Time: 3 hours****Max Marks: 80****Answer any FIVE Questions
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1. Discuss the following:
 - (a) Chernobyl Disaster vs. Bhopal tragedy
 - (b) Ozone Depletion vs Green house effect. [8+8]
2. Discuss in brief any four of the following:
 - (a) Women and Child Welfare
 - (b) Human Rights
 - (c) Mad Cow Disease
 - (d) Nanotechnology
 - (e) Silent Valley Project. [4+4+4+4]
3. (a) What are the biotic and abiotic components of an ecosystem?
 (b) What are the food chains and food webs? Give examples and discuss their significance. [8+8]
4. (a) Write a report on a few birds and their contribution to the environment.
 (b) Distinguish between the natural and artificial ecosystems. [10+6]
5. (a) What are the major water reservoirs of the World? How much water is fresh and where is it?
 (b) What do you mean by:
 - i. eutrophication
 - ii. super fest
 - iii. shifting cultivation
 - iv. water logging. [8+8]
6. (a) Define environmental education and explain its activities.
 (b) Discuss the impact of man on environment mentioning the major environmental issues. [6+10]
7. Write a short note on any FOUR of the following:
 - (a) Composting and Sanitary landfilling

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- (b) Ambient air quality levels
 - (c) Waterborne diseases
 - (d) E-waste management
 - (e) Odour Pollution and its control. [3+3+3+3+4]
8. (a) List the environmental services offered by biodiversity.
- (b) Discuss the Biopiracy. [8+8]

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R07**Set No. 1****II B.Tech II Semester Examinations, December 2010****ENVIRONMENTAL STUDIES****Common to CE, ME, BME, IT, MECT, MEP, BT, AME, MMT,
E.CONT.E, EIE, CSE, CSSE, EEE****Time: 3 hours****Max Marks: 80****Answer any FIVE Questions
All Questions carry equal marks**

1. Describe the Sources, Effects and Methods of control of the following:
 - (a) Noise Pollution
 - (b) Automobile pollution. [8+8]
2. Write a detailed note on the various institutions and organizations in the field of preservation of wildlife and knowledge of natural society. [16]
3. Write a short note on:
 - (a) Environmental Ethics Vs Environmental Economics
 - (b) Green House Effect
 - (c) Environmental Protection Act 1986. [6+4+6]
4. Discuss in brief any FOUR of the following:
 - (a) Human Rights
 - (b) Home Sanitation
 - (c) Nanotechnology
 - (d) Artificial Intelligence
 - (e) Epidemiology. [4+3+3+3+3]
5. (a) Prepare a report on two common plants, two insects and two birds and their contribution to nature.
- (b) What must be the contribution of a human being to maintain the balance in the environment? [12+4]
6. (a) List the various methods of conservation of biodiversity.
- (b) Discuss about the biodiversity hot spots. [8+8]
7. (a) What are clear cutting and below cost timber sales?
- (b) What are the major causes for conflicts over water? Discuss one international and one inter-state water conflict. [8+8]
8. (a) What do you mean by:
 - i. Thermocline

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- ii. Oligotrophic lakes
- iii. Meromictic lakes.

(b) Write a note on Savanas.

[8+8]

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R07**Set No. 3****II B.Tech II Semester Examinations, December 2010****ENVIRONMENTAL STUDIES****Common to CE, ME, BME, IT, MECT, MEP, BT, AME, MMT,
E.CONT.E, EIE, CSE, CSSE, EEE****Time: 3 hours****Max Marks: 80****Answer any FIVE Questions
All Questions carry equal marks**

1. (a) What is the importance of protecting biodiversity on earth?
(b) With Examples explain the values of Genes. [8+8]
2. (a) How is energy produced and consumed in our country?
(b) What are the most important health and environmental consequences of our use of fossil fuels? [8+8]
3. (a) Discuss in detail the different components of environment.
(b) What the factors leading to the increased resource consumption on earth in recent years? [8+8]
4. What are impacts of resettlement and rearrangement of people due to a development activity? What are your suggestions for a proper justification with reference to sustainable development? [16]
5. (a) Prepare a detailed report on the type and amount of pollution offered by an agricultural site you visited.
(b) Write a note on ecotourism. [12+4]
6. Discuss briefly the various methods of solid waste management with special reference to Dumping, Hog feeding, Salvaging and Grinding and discharging to sewers. [16]
7. (a) 'Information Technology can play an important role in improving the quality of Human life and environment'-Explain.
(b) Write a note on the control of the transmission of AIDS. [10+6]
8. (a) What are the biogeochemical cycles? Explain with the help of a diagram the nitrogen cycle.
(b) Define primary production and secondary production. Why are tropical wet forests and estuaries most productive. [8+8]
