

Code No: X0422

R07**SET - 1****II B. Tech I Semester, Supplementary Examinations, Nov – 2012****ENVIRONMENTAL STUDIES**

(Com. to ECE, CHEM, ECC, AE)

Time: 3 hours

Max. Marks: 80

Answer any **FIVE** Questions
All Questions carry **Equal** Marks
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1. a) What are the various components of the Environment?  
b) Discuss in detail the direct usage of different forest resources. (8M+8M)
2. a) What are the environmental effects of extraction of mineral resources?  
b) Explain the effects of dams on forest with special reference to Sardar Sarovar Project. (8M+8M)
3. a) What is artificial ecosystem? Explain the differences between natural and artificial ecosystems.  
b) Explain the structure and functions of desert ecosystems. (8M+8M)
4. a) What are the advantages and disadvantages of ecotourism?  
b) Discuss in detail the various endangered and endemic species of India? (8M+8M)
5. a) What are the main causes of thermal pollution?  
b) Discuss the mitigation measures to be taken during floods. (8M+8M)
6. a) What do you mean by Green technologies? Explain the benefits of Green Technologies.  
b) What are the environmental effects of Global warming? (8M+8M)
7. a) What are the various reasons for continued high population growth in India?  
b) Explain the causes for rapid spread of HIV in India and the efforts to control the HIV. (8M+8M)
8. Write short notes on the following (4M×4=16M)
  - a) Noise pollution
  - b) Air Act, 1981
  - c) Water Conservation
  - d) Soil Conservation

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**R07****SET - 2****II B. Tech I Semester, Supplementary Examinations, Nov – 2012****ENVIRONMENTAL STUDIES**

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Time: 3 hours

Max. Marks: 80

Answer any **FIVE** Questions  
All Questions carry **Equal** Marks

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1. a) Explain the scope and importance of environmental studies.  
b) Explain the indirect benefits of forest resources. (8M+8M)
  2. a) What are the various effects of deforestation?  
b) Explain the various aspects of land degradation. How it can be arrested? (8M+8M)
  3. a) What do you mean by ecological succession? Describe it in brief.  
b) Explain the structure of stream ecosystem. (8M+8M)
  4. a) What do you mean by endangered and endemic species? How can they be categorized?  
b) Explain the various In-situ conservation measures of wild life in India. (8M+8M)
  5. a) What are the various causes of soil pollution?  
b) Explain the mitigation measures to be taken at the time of Cyclones. (8M+8M)
  6. a) What is sustainable development? What is the present trend of development?  
b) Discuss the impacts of acid rain on the local environment. (8M+8M)
  7. a) What are the reasons for variation in population growth rates of developed and developing countries? (8M+8M)  
b) Explain the role of Information Technology for betterment of human health.
  8. Write short notes on the following (4M×4=16M)
    - a) Bio-fuels
    - b) Value Education
    - c) Waste Land Reclamation
    - d) Disaster management during floods

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**R07****SET - 3****II B. Tech I Semester, Supplementary Examinations, Nov – 2012****ENVIRONMENTAL STUDIES**

(Com. to ECE, CHEM, ECC, AE)

Time: 3 hours

Max. Marks: 80

Answer any **FIVE** Questions  
All Questions carry **Equal** Marks  
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1. a) Discuss the need for awareness to public about environmental problems.
b) What are the various disciplines of study that are useful in tackling environmental problems? Describe their role in brief. (8M+8M)
2. a) What are the various measures that need to be taken for control of deforestation?
b) Explain the advantages and disadvantages of dams. (8M+8M)
3. a) What are the various models of energy flow in an ecosystem? Explain them in brief.
b) Explain the structure and functions of forest ecosystem. (8M+8M)
4. a) What are the conflicts between man and wildlife? How to minimize them?
b) What are the various endangered animal and plant species in India? (8M+8M)
5. a) What are the effects of different air pollutants?
b) Discuss the effects of urban solid wastes. (8M+8M)
6. a) What is consumerism? What are the consequences of it?
b) What are the various issues involved in the resettlement and rehabilitation of displaced people on account of an irrigation project? (8M+8M)
7. a) Explain the role of Family Welfare Programs in the control of population explosion.
b) With the help of case studies, explain the role of information technology for protection environment? (8M+8M)
8. Write short notes on the following
a) Sustainable Development
b) Urban solid wastes
c) Fly Ash Problem
d) Renewable energy sources (4M×4=16M)

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R07**SET - 4****II B. Tech I Semester, Supplementary Examinations, Nov – 2012****ENVIRONMENTAL STUDIES**

(Com. to ECE, CHEM, ECC, AE)

Time: 3 hours

Max. Marks: 80

Answer any **FIVE** Questions
All Questions carry **Equal** Marks

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1. a) How do you explain the interrelated nature of environmental problems?  
b) What are the various causes of deforestation? (8M+8M)
2. a) What is over exploitation of Ground water? What are the various consequences of over exploitation?  
b) What do you mean by equitable use of resources in a Global contest? (8M+8M)
3. a) What are food chains? Explain their importance.  
b) What is the main structure and function of grassland ecosystems? (8M+8M)
4. a) What are the global efforts to protect biodiversity? Comment on recent meet on biodiversity  
b) Explain the various Ex-situ conservation methods of biodiversity practiced in India. (8M+8M)
5. a) What are the various effects of water pollution?  
b) What are the strategies for control of air pollution? (8M+8M)
6. a) What are the effects of Ozone Depletion?  
b) Discuss the various difficulties involved in the enforcement of environmental legislation. (8M+8M)
7. a) What are the steps taken to protect human rights in India?  
b) Explain the relationship between health and environment. Explain with suitable examples. (8M+8M)
8. Write short notes on the following  
a) Water Conservation  
b) Interstate water disputes  
c) Waste Land Reclamation  
d) Water Logging (4M×4=16M)