

Subject Code: R13106/R13

Set No - 1

I B.Tech I Semester Regular/Supple. Examinations Nov./Dec. - 2015

ENVIRONMENTAL STUDIES

(Common to CE, ME, CSE, PCE, IT, Chem. E, Aero E, AME, Min E, PE, Metal E, Textile Engg.)

Time: 3 hours

Max. Marks: 70

Question Paper Consists of **Part-A** and **Part-B**
Answering the question in **Part-A** is Compulsory,
Three Questions should be answered from **Part-B**

PART-A

1. (a) Write about population explosion.
- (b) What are the conflicts over dams? Give an example.
- (c) Write about genetic diversity.
- (d) List out the different types of pollution in brief.
- (e) Write about urban problems related to energy.
- (f) Write about environmental audit.

[4+5+3+3+4+3]

PART-B

2. (a) What are the structure and function of an ecosystem?
(b) Write about ecological succession. [8+8]
3. (a) What is land degradation? What is man induced land slides?
(b) Write about use and exploitation of mineral resources. [8+8]
4. (a) What is biodiversity at global, national and local levels?
(b) Write about endangered and endemic species. [8+8]
5. What are the causes, effects and control measures of air pollution? [16]
6. (a) What are the effects and control measures of urban and solid wastes?
(b) Write about any one act. [8+8]
7. Write a field report on the visit to a polluted river. [16]



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Set No - 2

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Time: 3 hours

Max. Marks: 70

Question Paper Consists of **Part-A** and **Part-B**
Answering the question in **Part-A** is Compulsory,
Three Questions should be answered from **Part-B**

PART-A

1. (a) Write about ecological succession.
- (b) What are the disadvantages of deforestation?
- (c) Write about species diversity.
- (d) Write the classification of industrial solid waste.
- (e) What is rain water harvesting?
- (f) Write about ecotourism.

[4+4+3+4+4+3]

PART-B

2. (a) Write about food chains and food webs.
- (b) Write in detail about forest ecosystem. [8+8]
3. (a) Write about environmental effects of extracting and using mineral resources..
- (b) Write in detail about renewable and non renewable resources. [10+6]
4. (a) What are the threats to biodiversity?
- (b) Write about in-situ and ex-situ conservation. [8+8]
5. (a) What are the causes, effects and control measures of soil pollution?
- (b) What is solid waste management? [12+4]
6. (a) Write about environment protection act
- (b) What are issues involved in enforcement of environmental legislation? [8+8]
7. (a) Write about EIA and EIS
- (b) Write a report on a visit to an environmental polluted area? [6+10]



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Set No - 3

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ENVIRONMENTAL STUDIES

Common to CE, ME, CSE, PCE, IT, Chem. E, Aero E, AME, Min E, PE, Metal E, Textile Engg.)

Time: 3 hours

Max. Marks: 70

Question Paper Consists of **Part-A** and **Part-B**
Answering the question in **Part-A** is Compulsory,
Three Questions should be answered from **Part-B**

PART-A

1. (a) Write about producers, consumers and decomposers
- (b) What are the uses and over exploitation of minerals?
- (c) Write about ecosystem diversity.
- (d) What is the role of an individual in prevention of pollution?
- (e) What are the effects and control measures of solid wastes?
- (f) Write about EMP and EIS

[5+4+3+3+3+4]

PART-B

2. (a) "Pond an ecosystem"- explain
- (b) Write the need of public awareness of environmental studies. [8+8]
3. (a) Write in detail about energy resources.
- (b) What are the food chains, food webs and ecological pyramids? [8+8]
4. What are the causes, effects and control measures of water pollution? [16]
5. (a) Write about wild life protection act.
- (b) Write about resettlement and rehabilitation of people [8+8]
6. (a) India a biodiversity nation-Explain.
- (b) What are the different uses of biodiversity? [8+8]
7. Write a field report on the visit to a polluted metropolitan city. [16]



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Set No - 4

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ENVIRONMENTAL STUDIES

Common to CE, ME, CSE, PCE, IT, Chem. E, Aero E, AME, Min E, PE, Metal E, Textile Engg.)

Time: 3 hours

Max. Marks: 70

Question Paper Consists of **Part-A** and **Part-B**
Answering the question in **Part-A** is Compulsory,
Three Questions should be answered from **Part-B**

PART-A

1. (a) Write about acid rains and ozone layer depletion.
- (b) What are the changes caused by agriculture and over exploitation?
- (c) What are the hot spots of biodiversity?
- (d) Write about nuclear hazards.
- (e) Write about watershed management.
- (f) What are the various stages of EIA.

[4+4+3+4+3+4]

PART-B

2. (a) What are the structure and function of a forest ecosystem?
(b) Write about alternate energy sources. [8+8]
3. (a) What are food resources? What are fertilizer and pesticide problems?
(b) Write about the equitable use of resources for sustainable lifestyles. [8+8]
4. (a) What are the different values of biodiversity? Write about them
(b) Write about threats to biodiversity. [12+4]
5. (a) What are the causes, effects and control measures of noise pollution?
(b) What are the effects of acid rains? [10+6]
6. Write about Air (prevention and control of pollution) act. [16]
7. Write a field report on the visit to a polluted river site. [16]

