

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]

Subject Code: R13106/R13**Set No - 2****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 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]

Subject Code: R13106/R13**Set No - 3****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 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]

Subject Code: R13106/R13**Set No - 4****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 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.
3. (a) What are food resources? What are fertilizer and pesticide problems?
- (b) Write about the equitable use of resources for sustainable lifestyles.
4. (a) What are the different values of biodiversity? Write about them
- (b) Write about threats to biodiversity.
5. (a) What are the causes, effects and control measures of noise pollution?
- (b) What are the effects of acid rains?
6. Write about Air (prevention and control of pollution) act.
7. Write a field report on the visit to a polluted river site.

[8+8]

[8+8]

[12+4]

[10+6]

[16]

[16]
