

ET 1401

C 15629

Name \_\_\_\_\_

Reg. No. \_\_\_\_\_

FOURTH SEMESTER B.TECH. (ENGINEERING) DEGREE EXAMINATION  
JUNE 2011

EN 09 402 ENVIRONMENTAL SCIENCE

(Common for all Branches)

(2009 Scheme)

Time : Three Hours

Maximum : 70 Marks

Part A

1. Write the economic importance of forest.
2. Define ecological pyramid and mention their types.
3. What are the sources of thermal pollution? Mention some of their harmful effects.
4. How does acid rain form? Write its environmental impacts.
5. What is a food chain? Give an example.

(2 × 5 = 10 marks)

Part B

1. Explain the use and exploitation, environmental effects of extracting mineral resources.
2. Discuss the structure and functions of desert ecosystem.
3. Write a brief notes on noise pollution.
4. Explain in detail the methods of solid waste management.
5. Write a short note on biodiversity and threats to biodiversity.
6. Write a short note on water shed management.

(4 × 5 = 20 marks)

Part C

1. Discuss in detail the reasons and ill-effects of deforestation.

Or

2. What are renewable and non-renewable energy resources? Discuss any one renewable energy resource.
3. Explain the energy flow in the ecosystem with a suitable example.

Or

4. Describe In-situ and Ex-situ conservation of biodiversity.
5. Enumerate the causes for water pollution and explain the methods to control it.

Or

6. What is cyclone? Enumerate its effects and briefly explain the measures to be taken to mitigate this disaster.
7. Discuss the problems related to energy and energy auditing.

Or

8. List out the reasons for global warming and explain in detail any two of them.

(2 × 10 = 20 marks)