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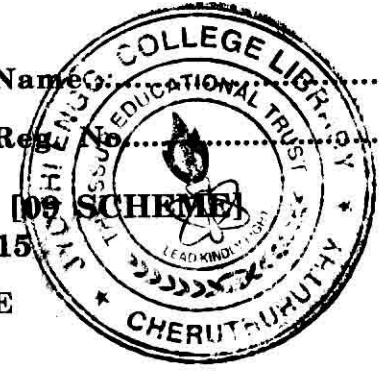
Name:

Reg. No.

**FOURTH SEMESTER B.TECH. (ENGINEERING) [09 SCHEME]
DEGREE EXAMINATION, APRIL 2015**

EN 09 402—ENVIRONMENTAL SCIENCE

(Common for all Branches)



Time : Three Hours

Maximum : 70 Marks

Part A

Answer all questions.

Each question carries 2 marks.

1. What are the different types of energy sources ? Explain each one of them giving examples.
2. What are fossil fuels ? What are the impacts of burning of fossil fuels ?
3. What is ecosystem ? Explain its structure.
4. Why is the use of synthetic materials considered to be unfriendly to environment, explain.
5. Give the principle of water conservation.

(5 × 2 = 10 marks)

Part B

Answer any four questions.

Each question carries 5 marks.

6. List and explain five products we get from forests.
7. Explain the process involved in the water cycle.
8. Briefly explain the different functions of an ecosystem.
9. Discuss the different loss of energy in a food chain.
10. With suitable case, explain disaster management.
11. Explain the consequences of holo-caust.

(4 × 5 = 20 marks)

Part C

Answer all questions.

Each question carries 10 marks.

12. (a) Discuss the various problems of mining and their defects on tribal people.

Or

- (b) Discuss the consequences of large scale use of fertilizer pesticide in modern agriculture.

Turn over

13. (a) Explain in detail the structure and functions of aquatic ecosystems.

Or

- (b) Discuss the aesthetic and option values of biodiversity at Global level.

14. (a) What is noise pollution ? What are the harmed impacts of UV radiations on human beings ?
How it can be minimized ?

Or

- (b) What is ground water pollution ? Suggest the different methods of controlling water pollution.
List the names of diseases caused due to water pollution.

15. (a) Explain the principle of energy conservation and energy audit.

Or

- (b) Explain the following :—

- (i) Acid rain.
(ii) Ozone layer depletion.

(4 × 10 = 40 marks)