

**C 1242**

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Name.....

Reg. No.....

**FOURTH SEMESTER B.TECH. (ENGINEERING) [14 SCHEME] DEGREE  
EXAMINATION, APRIL 2016**

**EN 14 402—ENVIRONMENTAL SCIENCE**

(Common for all Branches)

Maximum : 100 Marks

Time : Three Hours

**Part A**

*Answer any eight questions out of ten.*

*Each question carries 5 marks.*

1. Briefly explain the problems of overutilization of ground water.
2. Mention names of different types of ecosystems found in the biosphere.
3. What do you mean by poaching of wildlife ? Explain.
4. Give the concept of an ecosystem.
5. What do you mean by hot spot of biodiversity ?
6. Why is the flow of energy in an ecosystem called as acyclic ? Explain.
7. Briefly explain endangered and endemic species of India.
8. Discuss all possible impacts of marine pollution on the local environment.
9. Briefly explain global warming.
10. What are the effect of industrialization on atmosphere ?

(8 × 5 = 40 marks)

**Part B**

*Answer all questions.*

*Each question carries 15 marks.*

11. What is World food problems ? Discuss the effects of modern agriculture. What are the problems of use of fertilizer and pesticides ?

*Or*

12. Discuss in detail about dams and their defects on forests and tribal people.

**Turn over**



13. What are the different threats to biodiversity ? Explain in detail the In-situ and Ex-situ conservation of biodiversity.

*Or*

14. Discuss the different types of ecosystem. Explain the biotic components of an ecosystem.
15. Describe the various causes, effects and control measures of urban and industrial wastes.

*Or*

16. Define pollution. Mention its principal types. Describe the impacts and preventive measures of air pollution.
17. List and explain the various measures to be taken for rainwater harvesting. Discuss its importance.

*Or*

18. Write a short note on the following :

- (a) Value education.
- (b) Water shed management.
- (c) Climate change.

**(4 × 15 = 60 marks)**