C 15205 (Pages : 2) Name.....

Reg. No.....

FOURTH SEMESTER B.TECH. (ENGINEERING) DEGREE EXAMINATION, DECEMBER 2010

EN 04 402—ENVIRONMENTAL STUDIES

(2004 admissions)

[Common for all Branches]

Time : Three Hours Maximum : 100 Marks

Answer any **twelve** *questions.*

I. 1 Differentiate between Renewable and Non-renewable energy resources.

2 Explain the relevance of conflicts over sharing water between various states in our country.

3 Write a short note on soil erosion.

4 List out the major ill effects due to the construction of a dam on forest and tribal people.

5 Explain the concept of an ecosystem with examples.

6 Write a short note on ecological pyramids.

7 Differentiate between Food chain and Food well.

8 Write a short note on biogeographical classification of India.

9 What is meant by soil pollution ?

10 Explain the salient features of our Environmental Protection Act.

11 List out the main sources of air pollution and discuss it's control measures.

12 Write a short note on Thermal pollution.

13 Explain the relevance of family welfare programmes with respect to population explosion.

14 Write a short note on wasteland reclamation.

15 What is meant by water shed management ?

16 Write a short note on acid rain.

(12 × 5 = 60 marks)

II. (a) Explain briefly the role of modern agriculture on our world food security concerns.

Or

(b) Write short notes on floods, droughts and man induced land slides

III. (a) Explain briefly the features, structure and function of a forest ecosystem.

Or

(b) Differentiate between Genetic, Species and ecosystem biodiversity and explain the relevance of preserving the same.

Turn over

IV. (a) Explain the causes, effects and control measures of water pollution.

Or

(b) Explain the relevance of public awareness in the protection of our environment and also add a short note on Disaster Management.

V. (a) Explain the role of Information Technology in the improvement of our environment and Human Health.

Or

(b) Write short notes on ozone depletion and global warming.

(1 × 10 = 40 marks)