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FIRST SEMESTER

END SEMESTER EXAMINATION

EN-112 ENVIRONMENTAL SCIENCE

Time: 3:00 Hours

Roll No. *A-8/ee/20*

B. TECH. (GROUP-A)

MARCH-2011

Max. Marks : 70

Note : Answer any **FIVE** questions.
Assume suitable missing data, if any.

- ✓1[a] What are the various sources of energy? 3
- ✓[b] Explain in detail any two non-conventional sources of energy. 8
- ✓[c] While recording A-weighted sound levels, 4-reading have been taken at a site, at different times of a day. These readings are 20dB, 56 dB, 70 dB & 95 dB. What is the resultant sound level? 3
- ✓2[a] Define particulate pollutants & discuss the effect of particulate pollutants on human beings. 7
- ✓[b] What is food chain? Describe its two basic types alongwith examples. What are the significances of food chain? 7
- 3[a] Define Biodiversity & explain the three major types of biodiversity. 5
- [b] Differentiate between the sources of air pollution. 4
- (i) Point, line and area sources of air pollution.
- (ii) Primary & secondary air pollutants.
- [c] What is an ecological pyramid? Explain various types of ecological pyramids. 5
- 4 Write short notes on any **FOUR** of the following:
- [a] Hazardous waste. 3½
- ✓[b] Nitrogen cycle. 3½
- ✓[c] Water born diseases. 3½
- ✓[d] Structure of atmosphere. 3½
- [e] Productivity. 3½

- ✓ 5[a] Discuss the sources & effects of noise pollution. What control measures can be taken for prevention of noise pollution? 9
- ✓ [b] Describe biotic & abiotic components of any fresh water ecosystem. 5
- ✓ 6[a] Explain the chemical characteristics of the drinking water. 7
- ✓ [b] Define acid rain. What are the effects of acid rain? 7
- 7 Write explanatory note on (*any two*):-
- [a] Depletion of ozone layer. 7
- [b] Effect of air pollution on vegetation. 7
- [c] The environment protection Act, 1986. 7
- [d] Water (Prevention & Control of Pollution) Act, 1974. 7

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