	(Inexan)
Name:	\ <u>\</u>
Roll No. :	A Spanning of Exchange
Invigilator's Signature :	

CS/B-OPTM/SEM-2/BO-204/2011

2011 ENVIRONMENT & ECOLOGY

Time Allotted: 3 Hours Full Marks: 70

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

GROUP – A (Multiple Choice Type Questions)

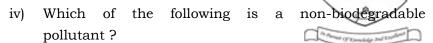
1. Choose the correct alternatives for any *ten* of the following:

 $10 \times 1 = 10$

- i) The Ganga pollution is due to dumping of
 - a) domestic & industrial sewage
 - b) food waste
 - c) waste from forest
 - d) hospital waste.
- ii) Which of the following acids is present in normal rain?
 - a) Carbonic acid
- b) Sulphuric acid
- c) Hydrocarbonic acid
- d) Nitric acid.
- iii) Tinnitis is a disease caused by
 - a) Land pollution
- b) Air pollution
- c) Thermal pollution
- d) Noise pollution.

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a) DDT

- b) Cellulose
- c) Detergents
- d) Organic matter.
- v) The "Minamata" disease is caused due to
 - a) Intake of cadmium
 - b) Intake of arsenic
 - c) Intake of antimony
 - d) Intake of fish contaminated by mercury.
- vi) The biotic factors in the study of ecology are
 - a) atmospheric factor
 - b) Physical factor of soil
 - c) all living organism
 - d) none of these.
- vii) The major crisis which of the modern days civilization faces today is
 - a) the environmental degradation
 - b) poverty
 - c) reduction in per capita income
 - d) outbreak of new type of human disease.
- viii) Environment impact assessment
 - a) should be made compulsory for starting a developmental project
 - b) should not be made compulsory for starting a developmental project
 - c) should be done after the completion of a developmental project

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d) none of these.

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- ix) The logical sequence of food chain is
 - a) decomposer photosynthesis consumer
 - b) photosynthesis decomposer consumer
 - c) consumer photosynthesis decomposer
 - d) photosynthesis consumer decomposer.
- x) The trade name of CFC is
 - a) Freon

- b) Chloro-fluro carbon
- c) Chloro-fluro chlorine
- Carbo fluro chlorine.
- xi) Photochemical smog was first observed in
 - a) London
- b) Canada

d)

- c) Los-Angeles
- d) Japan.
- xii) Normal hearing frequency of noise is
 - a) 2 20,000 Hz
- b) 20 20,000 Hz
- c) 2 20 Hz
- d) 2,000 Hz.

GROUP - B

(Short Answer Type Questions)

Answer any three of the following.

 $3 \times 5 = 15$

- 2. Write down the causes of environmental degradation.
- 3. Write the mechanism of formation of photochemical smog.
- 4. State the type of temperature changes are observed at different segments of atmosphere.
- 5. Define environment. Mention the component of environment.
- 6. What is EIA? State the steps of EIA.

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GROUP - C

(Long Answer Type Questions)

Answer any three of the following.

 $3 \times 15 = 45$

7. Define water pollution. Mention the sources of water pollution. Discuss sewage treatment process with diagram.

3 + 5 + 7

- 8. "Greenhouse effect is also termed as carbon dioxide enrichment." Why? What are the causes of greenhouse effect? Explain the effects of this phenomenon and how to control it?

 3 + 6 + 6
- 9. What is soil erosion? Describe the different types of weathering process. Explain waste disposal strategies.

3 + 6 + 6

- 10. What is sound pollution? State the sources of sound pollution. Describe the effects of sound pollution in human life. 3 + 5 + 7
- 11. Write notes on any three of the following:

 3×5

- a) Biodiversity
- b) Environmental (Protection) Act, 1986
- c) Montreal Protocol and Kyoto Protocol
- d) Ecosystem of pond
- e) Arsenic pollution
- f) Role of NGO.

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