



Name :

Roll No. :

Invigilator's Signature :

**CS/HM/SEM-4/BHM-403/2010
2010**

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 the following :

10 × 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) The protective shield of life on earth is
 - a) Oxygen
 - b) Hydrogen
 - c) Ozone
 - d) Carbon dioxide.



- iii) BOD means
- a) Biggest Oxygen Demand
 - b) Biological Oxygen Demand
 - c) Blown Out Dose
 - d) none of these.
- iv) Hydrosphere consists of
- a) rocks
 - b) air layers
 - c) various water bodies and oceans
 - d) soil.
- v) Biotic factor of ecosystem is
- a) soil
 - b) solar energy
 - c) temperature
 - d) plants and animals.
- vi) Which one of the following is the intensity level of noise ?
- a) centimetre
 - b) newton
 - c) decibel
 - d) watt.
- vii) Minamata disease is caused by
- a) lead poisoning
 - b) arsenic poisoning
 - c) mercury poisoning
 - d) none of these.



GROUP – C

(Long Answer Type Questions)

Answer any *three* of the following. $3 \times 15 = 45$

7. Define the concept of Greenhouse Effect. How do Greenhouse gases increase the temperature of the earth ? What are the commercial uses of CFC ? Write the chemical formula of CFC11. $3 + 7 + 4 + 1$
8. What is solid waste ? What are the source wise compositions of solid wastes ? Discuss the advantages and disadvantages of sanitary landfill. Explain autoclaving & incineration. $2 + 3 + 4 + 6$
9. Name two airborne diseases and their pathogens. How does El Nino affect the Peruvian economy ? What are the effects of CO on human health ? Discuss the formation of acid rain. $4 + 3 + 5 + 3$
10. Describe the sources of noise pollution. State the causes of environment destruction. What do you know about financial implication of water pollution control ? $5 + 7 + 3$
11. Define ecology. Explain the ecological balance & its consequences of changes. Describe domestic waste water treatment with proper flow diagram. $2 + 7 + 6$

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