



Name :

Roll No. :

Invigilator's Signature :

**CS/B.PHARM (O&N)/SEM-2/HU-202/2010
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 any *ten* of the following :

10 × 1 = 10

i) Minamata disease is caused by

- a) Lead poisoning
- b) Arsenic poisoning
- c) Cadmium poisoning
- d) none of these.

ii) DDT inhibits the enzyme

- a) pepsin
- b) acetyl cholinesterase
- c) none of these
- d) both of these.

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[Turn over



- viii) Antidote of mercury poisoning is
- a) Dimercaprol b) Dimercarbon
c) Halogen d) Halocarbon.
- ix) Biotic component of ecosystem includes
- a) Producers b) Consumers
c) Decomposers d) all of these.
- x) Noise pollution causes
- a) deafness b) increase in B.P.
c) heart trouble d) all of these.
- xi) All the living organisms on earth constitute
- a) Community b) Biosphere
c) Species d) Biome.

GROUP – B

(Short Answer Type Questions)

Answer any *three* of the following. 3 × 5 = 15

2. Define Global Warming. What are the causes of it ?
3. Write down the effects of Acid Rain.
4. Discuss special cares to be taken in disposing biomedical wastes.
5. Distinguish between Food web and Food chain.
6. State the various steps involved in 5-day BOD test.



GROUP – C

(Long Answer Type Questions)

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

7. a) Define air pollution. Mention the adverse effects of air pollution.
b) Write down the composition of atmosphere.
c) Discuss the major regions of atmosphere.

$2 + 7 + 3 + 3$

8. State the main composition of untreated domestic water. How is sewage treatment done ? Describe with sketches.

$2 + 8 + 5$

9. What are the different water pollutants ? Explain how each of them can have dangerous effect on the environment. How can water pollution be prevented ?

$2 + 8 + 5$

10. a) How do you define ecosystem ?
b) Describe about one gaseous cycle with labelled diagram.
c) What is biomagnification ?
d) Describe pond ecosystem.

$2 + 6 + 2 + 5$

11. a) State different sources of noise pollution.
b) Mention the measures to be taken to control noise pollution.
c) What are the effects of noise on human health ?

$5 + 5 + 5$

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