



Name :
Roll No. :
Invigilator's Signature :

CS/HM/SEM-4/BHM-403/2012

2012

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) Toxic metal when mixes with water causes
 - a) Environmental pollution
 - b) Noise pollution
 - c) Air pollution
 - d) Water pollution.
 - ii) The commercial name of CFC is
 - a) Chlorofluorocarbon b) Freon
 - c) Chlorofluorocarbide d) Aerosol.
 - iii) Which of the following contains maximum quantity of fresh water ?
 - a) Glacier & Ice caps b) River
 - c) Lakes d) Soil moisture.



- iv) BOD is
 - a) Amount of O_2 required to respire
 - b) Amount of O_2 to decompose
 - c) Amount of O_2 to inhale
 - d) amount of O_2 to measure COD.
- v) Branch of biology that deals with the relationship between organisms and their environment is known as
 - a) physiology
 - b) botany
 - c) ecology
 - d) pedology.
- vi) Ouch-ouch disease is related with
 - a) Methyl mercury
 - b) Lead
 - c) Arsenic
 - d) Cadmium.
- vii) Which one of the following is water-borne disease ?
 - a) Typhoid
 - b) Mumps
 - c) AIDS
 - d) Cataract.
- viii) Stone cancer of Taj Mahal is caused by
 - a) Smog
 - b) Acid rain
 - c) UV rays
 - d) CFC.
- ix) The effect of ultra-violet rays on skin may cause
 - a) Leukaemia
 - b) Skin cancer
 - c) Paralysis
 - d) None of these.
- x) The natural resource with are replenishable in future are resources.
 - a) Flow
 - b) Fund
 - c) Non-renewable
 - d) Renewable.



xi) Arsenic pollution is caused due to excess presence of

- a) Iron
- b) Aluminium
- c) Iron and copper
- d) Copper and Lead.

xii) VOC is

- a) Volcanic Organic Compound
- b) Volcano Originated Compound
- c) Volatile Organic Complex
- d) Volatile Organic Compound.

GROUP – B

(Short Answer Type Questions)

Answer any *three* of the following. $3 \times 5 = 15$

- 2. What are the impacts of population growth on resources ?
- 3. What is biodegradable waste ? How is biogas useful ? $3 + 2$
- 4. Define food chain. How can it be classified ? $2 + 3$
- 5. Write a note on 'The Earth Summit' of 1992 ?
- 6. How does the dispersion of smoke occur in atmosphere ?
- 7. What are the effects of noise pollution ?



GROUP - C

(Long Answer Type Questions)

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

8. What are the different sources of water pollution ? What is arsenic pollution ? Write a note on cyclone separator with suitable diagram. $7 + 3 + 5$
9. What are the components present in soil ? Explain the causes of soil erosion. Why is soil getting polluted ? How can you prevent it ? $3 + 4 + 4 + 4$
10. What are the bad effects of Air pollution ? What is the composition of atmosphere ? Which gases are responsible for greenhouse effect ? $9 + 4 + 2$
11. Write an account of waste management in Hospital. Do you think further measures are necessary ? $12 + 3$
12. Write short notes on any *three* of the following :
 - a) Biodiversity
 - b) Carbon cycle
 - c) Pollution Control Board of India
 - d) Heavy metal pollution
 - e) Ganga Action Plan
 - f) Energy pyramid.

