



Name :

Roll No. :

Invigilator's Signature :

CS/BTTM/SEM-4/TTM-403/2012

2012

ENVIRONMENT AND 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) The Appiko movement (tree hugging) was started in
 - a) Karnataka
 - b) Odisha
 - c) Gujarat
 - d) Tamil Nadu.
- ii) Which of the following is adventure tourism ?
 - a) Swimming
 - b) Boxing
 - c) Trekking
 - d) None of these.
- iii) China mainly affected by
 - a) Acid rain
 - b) Greenhouse effect
 - c) Both of these
 - d) None of these



- xi) Which of the following is not a world heritage site of India ?
- a) Sundarban National Park
 - b) Manas Wildlife Sanctuary
 - c) Simlipal
 - d) Kaziranga National Park.
- xii) The main discharge from a thermal power plant is
- a) smog
 - b) dust particles
 - c) fly ash
 - d) smoke.

GROUP – B

(Short Answer Type Questions)

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

2. How do you observe Montreal Protocol ?
3. Write a short note on Bhopal gas incidents.
4. Discuss about 'oxidation pond' and 'trickling filter'.
5. What are the differences between environment and ecology ?
6. What are the consequences of change in the ecological balance ?
7. What is stone cancer ? What are the causes for such effect ?



GROUP – C

(Long Answer Type Questions)

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

8. What is global warming ? How is it interrelated with greenhouse effect ? Discuss about the various effects of global warming and also mention the controlling method of it.

2 + 3 + 5 + 5

9. What do you understand by water pollution ? What are the financial steps taken by any industry to control water pollution ? Also mention the control measures taken by central and state boards for prevention of water pollution.

3 + 6 + 6

10. What are Primary and Secondary pollutants ? Write briefly on The Air (Prevention and Control of Pollution) Act, 1981. What are the Control measures required by industry in compliance to the Air (Prevention and Control of Pollution), Act ?

4 + 5 + 6

11. Write short notes on any *three* of the following :

3 × 5

- a) Municipal solid wastes
- b) Lithosphere
- c) Sewerage treatment plant
- d) Climate and weather
- e) Lake water pollution.

12. Briefly discuss the elements of ecology. What is EIA report ? Explain its importance for starting up a manufacturing enterprise.