

# CS/B.Pharm(NEW)/SEM-2/HU-202/2011 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)

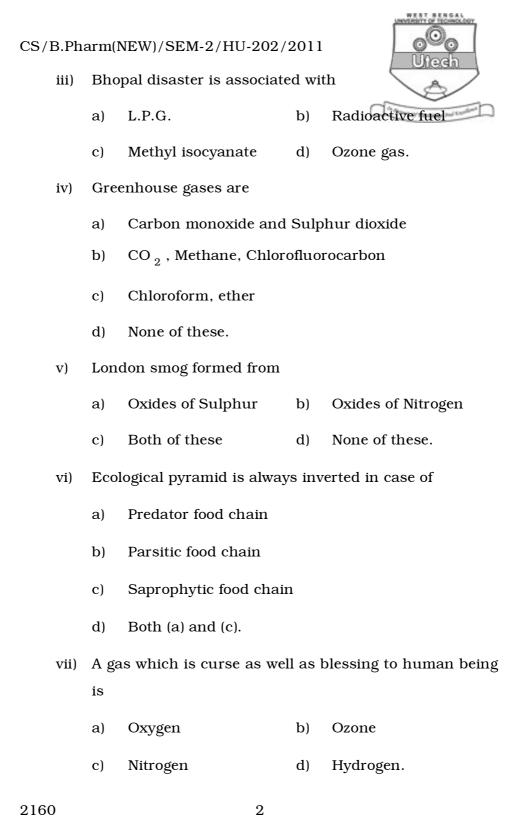
1. Choose the correct alternatives for the following :

 $10 \times 1 = 10$ 

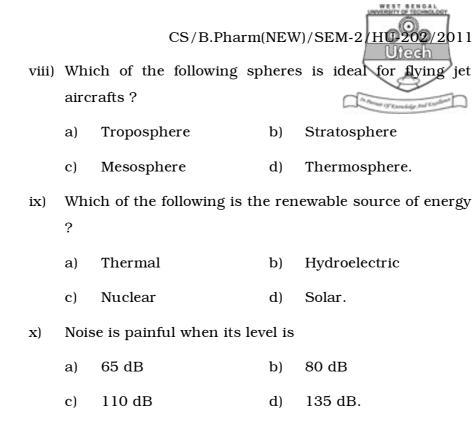
- i) Water with rich nutrient status is called
  - a) Eutrophic b) Masotrophic
  - c) Oligotrophic d) None of these.
- ii) Effect of Arsenic in human body is
  - a) Mental retardation
  - b) Numbness of limbs, tongue and lips
  - c) Gastric and intestinal disorder
  - d) Central necrosis and cirrhosis.

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#### **GROUP – B**

#### (Short Answer Type Questions)

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

- 2. Define greenhouse effect. How do the greenhouse gases function in the atmosphere ?
- 3. State the important compositions of atmosphere.
- 4. Differentiate between persistent and non-persistent pollutants.
- 5. What do you mean by "Ozone Hole" ? Write down the causes and effect of it.
- 6. Enumerate the concept of "Food Chain" with example.



## GROUP – C

### ( **Long Answer Type Questions** ). Answer any *three* of the following.

- 7. a) State the different sources of noise pollution.
  - b) Write an account on the measures to be taken to control noise pollution.
  - c) Explain about the noise pollution hazards on human health. 5+5+5
- 8. a) Illustrate the roles of oxygen demanding wastes, pesticides and radioactive materials in water pollution.
  - b) Explain about the role of different heavy metals on human health. 7+8
- 9. a) What are the ground water pollutants and their sources ?
  - b) Write an account for the preventive measure for controlling water pollution.
  - c) Write an account on the measures to be taken to control Global Warming. 5 + 5 + 5
- 10. a) State different types of solid wastes.
  - b) How can it be disposed off?
  - c) What is the effect of solid wastes on human beings ?
  - d) Mention the methods of controlling biomedical waste.

3 + 6 + 2 + 4

- $2 \times 7\frac{1}{2}$
- 11. Write notes on any *two* of the following :a) Threshod Limit Value (TLV)
  - b) PAN
  - c) Acid rain
  - d) Ecosystem.

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