Name:	SIG91
Roll No.:	In Spiriture of Farmering and Experient
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 :

 $10 \times 1 = 10$ 

- 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.

4128 [ Turn over

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



- 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.

4128



viii) Tinnitus is a disease caused by

- a) Land pollution
- b) Air pollution
- c) Thermal pollution
- d) Noise pollution.
- ix) EIA aims at without causing damage to
  - a) Environment
- b) Universe
- c) Country's economy
- d) Atmosphere.
- x) Saline bottles, bandages, syringes, blood stained cotton, tissues, etc. are variety of ...... wastes.
  - a) Industrial
- b) Bio-medical
- c) Domestic
- d) Commercial.

#### **GROUP - B**

#### (Short Answer Type Questions)

Answer any three of the following.

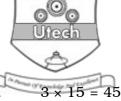
 $3 \times 5 = 15$ 

- 2. State the importance of Environmental Protection Act, 1986 in Hospital Administration.
- 3. How do you analyse Environmental Impact Assessment?
- 4. What are meant by hazardous wastes? Mention the special care to be taken for their handling and disposal. 1 + 4
- 5. What is acid rain? What are the adverse effects of acid rain? 2+3
- 6. State the advantages and disadvantages of Electrostatic precipitator and Cyclone system?



#### (Long Answer Type Questions)

Answer any three of the following.



- 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

4128 4