

Name : .....

Roll No. : .....

Invigilator's Signature : .....

**CS/BTTM/SEM-4/TTM-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 any *ten* of the following :

10 × 1 = 10

i) The term Ecos means

- a) Study
- b) House
- c) Science
- d) Art.

ii) Ozone is found in which layer ?

- a) Troposphere
- b) Stratosphere
- c) Ionosphere
- d) Exosphere.

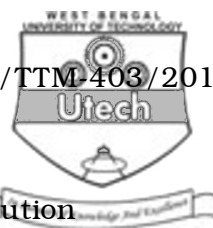
iii) The measurement of sound is expressed as

- a) kelvin
- b) dB
- c) SN
- d) none of these.

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- iv) Potable water means
- a) Drinking water                      b) Wastage water
- c) River water                            d) Sea water.
- v) Landslide is an example of
- a) Physical man-induced hazard
- b) Natural hazard
- c) Biological hazard
- d) none of these.
- vi) CFC emits from
- a) Air conditioner                      b) Bus
- c) Train                                      d) Smoke.
- vii) Which country is the highest producer of carbon dioxide ?
- a) USA                                      b) China
- c) South Africa                          d) India.
- viii) First Earth Summit was held in
- a) 1990                                      b) 1992
- c) 1994                                      d) 1997.
- ix) Example of greenhouse gas is
- a) CO<sub>2</sub>                                        b) O<sub>2</sub>
- c) Sulphur                                  d) Ozone.



- x) Pathogens are caused of
- a) Water pollution                      b) Air pollution
- c) Land pollution                        d) Sound pollution.
- xi) Landfill is a process of
- a) solid waste disposal
- b) water disposal
- c) air control
- d) none of these.
- xii) Example of Detrivores is
- a) Ant                                        b) Cow
- c) Human                                  d) Crow.

**GROUP - B**

**( Short Answer Type Questions )**

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

2. State the difference between primary air pollutants & secondary air pollutants.
3. How is population explosion responsible for environmental degradation ?
4. Define the concept of Greenhouse Effect with suitable example.
5. What is sustainable development ? Mention the main features of sustainable development.
6. How do you define Ecosystem ? Classify the main components of environment.



**GROUP – C**

**( Long Answer Type Questions )**

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

7. What is ozone layer depletion ? What are the impacts of ozone depletion ? Explain the major steps to protect the ozone layer.  $2 + 7 + 6$
8. a) How do you explain energy balance ?  
b) Describe briefly the methods of monitoring and controlling air pollution.  $5 + 10$
9. Define 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.
10. Explain briefly the term 'Atmospheric composition'. State the effects of global warming on the environment. What are the means to combat it ?  $3 + 6 + 6$
11. Write notes on the following :
- a) Acid rain
  - b) EIA
  - c) Role of NGO in environment protection
  - d) Food Chain & Food Web.
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