

**B-36-C**

Roll No.....

Total No. of Questions : 30 ]

[ Total No. of Printed Pages : 4

**XIIKDAR21**  
**5036-C**  
**ENVIRONMENTAL SCIENCE**

Time : 3 Hours ]

[ Maximum Marks : 70

**Section-A**

1 each

1. Red Soils are :  
(A) Acidic soils  
(B) Rich in iron  
(C) Deficient in lime  
(D) All of these •
2. Different layers of soil running parallel to the surface are called .....  
(Fill in the blank)
3. What is Pedology ?
4. Industrial wastes comprise of :  
(A) Paddy straw  
(B) Pathological waste  
(C) Chemical sludge ✓  
(D) All of these

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5. Pyrolysis is a disposal method in which the solid wastes are heated under anaerobic conditions. (True/False)
6. Which Article/Articles of Indian Constitution contains/contain the provisions of environmental protection.
7. The Environmental (Prevention) Act was enacted in :
  - (A) 1986
  - (B) 1990
  - (C) 1994
  - (D) 2001
8. Screening, Scoping, Mitigation and Evaluation are the key elements of EIA. (True/False)

**Section-B**

2 each

9. What is PAN ?
10. What are the sources and ill-effects of carbon monoxide ?
11. What are the main causes of ground water pollution ?
12. What are the main causes of soil erosion ?
13. Give a brief account of distribution of Black Soil in India.

14. Write a short note on Incineration.
15. What are Biodiversity Hotspots ?
16. What is Smog ? What is the difference between 'London Smog' and 'Los Angeles Smog' ?
17. What are the characteristic features of a good EIA ?
18. What do you understand by 'Sustainable Development' ?

**Section-C**

3 each

19. What is Noise Pollution ? What are its various sources ?
20. Write a short note on Gravity Setting Chambers.
21. What are point and non-point sources of water pollution ? What is the impact of water pollution on aquatic life ?
22. Define Soil. Describe briefly the process of pedogenesis.
23. What are the characteristics of Hazardous Wastes ?
24. Write a short note on Solid Waste Management.
25. Describe briefly various categories of threatened species recognized by IUCN.
26. What are various causes of Desertification ?
27. What are the salient features of EPA ?

**Section-D**

5 each

28. What are the sources and ill-effects of Marine pollution ?

*Or*

Explain in detail the method of sewage treatment.

29. What are the causes and impacts of loss of biodiversity ?

*Or*

What do you mean by in-situ and ex-situ conservation strategies of biodiversity ? Give a brief account of two in-situ and two ex-situ methods.

30. What are Acid Rains ? Briefly describe their causes, impacts and control.

*Or*

What are Ozone Depleting Substances ? What is the impact of ozone depletion on humans ? Give a brief account of global efforts for controlling ozone layer depletion.