

**D-35-B**

Roll No.....

Total No. of Questions : 30]

[Total No. of Printed Pages : 4

**XIARKDN20**

**2035-B**

## **ENVIRONMENTAL SCIENCE**

**Time : 3 Hours]**

**[Maximum Marks : 70**

- Note :-**
- (i) All questions are compulsory.
  - (ii) Q. Nos. 1-8 are objective type and carry 1 mark each.
  - (iii) Q. Nos. 9-18 are very short answer type and carry 2 marks each.
  - (iv) Q. Nos. 19-27 are short answer type and carry 3 marks each.
  - (v) Q. Nos. 28-30 are long answer type and carry 5 marks each with internal choice.

### **Section-A**

**(Objective Type Questions)**

**1 each**

1. Define Incineration.
2. The name subsoil is given to ..... horizon.
3. What is Mulching ?

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**Turn Over**

4. Name *three* zones of biosphere reserve.
5. Define *exotic* species.
6. Where is Overa Aru Wildlife Sanctuary located ?
7. The term *sustainable development* was introduced in .....  
commission.
8. CITES stand for.

**Section-B**

**(Very Short Answer Type Questions)**

2 each

9. What are wet scrubbers ?
10. Define Noise. Name any *two* sources of noise.
11. Write down the working principle of electrostatic precipitator.
12. What are dystrophic lakes ?
13. Write a short note on soil composition.
14. What are *two* impacts of open dumping ?
15. What is *ex-situ* type of conservation ?
16. What are National Parks ? Name one national park of J & K UT ?
17. How is acid rain formed ?
18. Name key elements of EIA.

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**Section-C**

**(Short Answer Type Questions)**

3 each

19. Write down the controlling measures for noise pollution.
20. Explain biomagnification and its impact on aquatic life.
21. Define soil pollution. Name the different sources of soil pollution.
22. Write a short note on wind erosion.
23. What is biomedical waste ? What are its impacts (any *two*) ?
24. Define biodiversity. Name *three* levels of biodiversity.
25. What is Kyoto Protocol ? What is its importance (any *two*) ?
26. Write *three* salient features of Water (Prevention and Control of Pollution) Act, 1974. <https://www.jkboseonline.com>
27. Write *three* salient features of Air (Prevention and Control of Pollution) Act, 1981.

*Or*

Write a short note on the concept of sustainable development.

**Section-D**

**(Long Answer Type Questions)**

5 eac

28. What is water pollution ? What are its different sources ?

*Or*

Explain in detail secondary treatment of sewage in STP's.

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9. Define Solid Waste. Describe its various sources and methods of disposal.

*Or*

What are hazardous wastes ? What are its different characteristics ?

10. What is Global Warming ? Explain its causes and consequences.

*Or*

What is ozone depletion ? How does its depletion impact different life forms on earth ?

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