

B-36-A

Roll No.....

Total No. of Questions : 30]

[Total No. of Printed Pages : 4

XIIKDAR21

5036-A

ENVIRONMENTAL SCIENCE

Time : 3 Hours]

[Maximum Marks : 70

Section-A

1 each

1. The type of soil formed by the deposition of rivers in flood plains and deltas is the :
(A) Arid soil
(B) Alluvial soil
(C) Laterite soil
(D) ~~Red soil~~
2. Name the soil horizon that has the most fertile soil.
3. What is Pedology ?
4. Hospital waste mainly consists of :
(A) Syringes
(B) Pathological waste
(C) Anatomical waste
(D) All of these

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Turn Over

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(2)

5. Composting is a common practice of solid waste disposal in rural areas for the production of manure and biogas. (True/False)
6. Which Act is known as 'Umbrella Act' ?
7. The Water (Prevention and Control of Pollution) Act was enacted in the year :
 - (A) 1986
 - (B) 1974
 - (C) 1994
 - (D) None of these
8. Scoping helps in determining the key and significant impacts. (True/False)

Section-B

2 each

9. What are organic air pollutants ?
10. What are the sources and ill-effects of Chlorofluorocarbons (CFC) ?
11. What is Eutrophication ?
12. What do you understand by gully erosion of soil ?
13. Give a brief account of distribution of Arid Soils in India.

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14. What is Waste Recycling ?
15. What do you mean by Ecosystem Diversity ?
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. <https://www.jkboseonline.com>
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.