

F-35-A

Roll No.

Total No. of Questions : 30+21]

[Total No. of Printed Pages : 8

XIIAPBIKD22

6935-A

ENVIRONMENTAL SCIENCE

(New/Old Course)

Time : 3 Hours]

[Maximum Marks : 70

NOTE :— The questions in the question paper are based on revised and pre-revised syllabus marked as "New Course" and "Old Course" respectively and candidates are advised to appear in the relevant course meant for them. Candidates who may attempt the questions partly from "New Course" and partly from "Old Course" will not be awarded. Candidates are also advised to record "New Course" or "Old Course" as the case may be, on the front page of the answer-book.

(New Course)

Section-A

(Objective Type Questions)

1 each

1. is the decomposition of organic waste and formation of manure or humus.
2. Plasma torch is used to treat waste.

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3. Solid waste management rules are designed by
4. represents the variety of different genes within individual species.
5. Shifting cultivation is also known as
6. Biosphere reserve programme was launched by in the year
7. Kyoto Protocol was signed to reduce gases.
8. Name any *three* ozone depleting substances.

Section-B

(Very Short Answer Type Questions)

2 each

9. What are secondary gaseous pollutants ?
10. Define Biomagnification.
11. What is true soil composed of ?
12. Define Biomedical waste.
13. What is Incineration ?
14. What are Vulnerable species ?

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15. Define Habitat Fragmentation.
16. What are the constituents of acid rain ?
17. What is Agenda-21 ?
18. Write down any *two* functions of CPCB.

Section-C

(Short Answer Type Questions)

3 each

19. How can we control noise pollution ?
20. Define Eutrophication. How is it caused ?
21. How can we control soil erosion ?
22. What are the different steps involved in the management of solid waste ?
23. Explain *three* different levels of biodiversity.
24. Define Smog. What are its different types ?
25. When was the Kyoto Protocol signed and why ?
26. What do you mean by EIA ? What are its key elements ?
27. Define Sustainable Development. Why is it necessary ?

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Section-D

(Long Answer Type Questions)

5 each

28. Explain the different devices used for controlling particulate pollutants.

Or

Define Noise Pollution. What are its causes and consequences ?

29. What is Marine Pollution ? Explain its causes and consequences.

Or

Define Domestic Sewage. What are the different processes by which we can treat it ?

30. Explain soil profile in detail.

Or

Describe the various types of soils found in India.

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(5)

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(Old Course)

(Long Answer Type Questions)

5 each

1. **What is Noise ? Describe briefly the effects of noise on human health.**

Or

What are the major atmospheric pollutants and their resources ?

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2. Explain in brief the primary and secondary sewage treatment.

Or

How can water pollution be controlled ?

3. Write down the Indian Classification of Soils.

Or

Describe Soil Profile.

4. What kind of threats to the biodiversity may lead to its loss ?

Or

How is Biodiversity at all levels generally conserved ?

(Short Answer Type Questions)

3 each

5. Distinguish between endangered, vulnerable and rare species.
6. Write a note on various sources of water pollution.
7. Define Soil Erosion. How can it be controlled ?
8. What is Hazardous Waste ? Name various sources of solid waste.
9. Discuss the various causes of global warming.
10. "Automobiles are the largest single air pollutant." Justify.
11. What is Acid Rain ? What are its effects on plants ?
12. Write a short note on disposal of solid wastes.

(Very Short Answer Type Questions)

2 each

13. Write different impacts of soil pollution on human health.
14. Write a short note on eutrophication of water bodies.
15. What is the effect of Montreal Protocol on environment ?
16. Write a note on types of smog.
17. What do you know about deep well injection ?
18. Write down the main features of sustainable development.
19. Write down a note on methodology used in EIA.
20. What is the role of scoping in EIA ?

(Objective Type Questions)

1 each

21. (i) What are the impacts of so pollutant ?

(ii) Solid wastes are any or materials.

(Fill in the blanks)

(iii) The heat produced by incinerator can be used to

(Fill in the blank)

(iv) The last stage of an EIA is to carry out an

(Fill in the blank)

(v) The Taj Mahal is being effected by :

(A) Noise pollution

(B) Air pollution

(C) Water pollution

(D) None of these

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(vi) Red Data Book is published by :

(A) IUCN

(B) BNHS

(C) WWF

(D) WHO

(vii) The part of EIS covering, monitoring and management is called
.....
(Fill in the blank)

(viii) The conservation of species in their own natural habitat is
known as
(Fill in the blank)

(ix) Sustainable development goals are also known as Global Goals.
(True/False)

(x) Which Act is known as Umbrella Act ?

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