

A-35-A

Total No. of Questions : 30]

[Total No. of Printed Pages : 4

12thSZARJD22

6035-A

ENVIRONMENTAL SCIENCE

Time : 2.30 Hours]

[Maximum Marks : 70

Section-A

1 each

1. Deep well injection is a disposal method for waste.
2. Solid waste management rules were notified in the year
3. is the concentrated toxic liquid which comes from landfills.
4. species are not the natural members of a community.
5. Expand IUCN.
6. Dachigam National Park is famous for
7. Expand IPCC.
8. is the major cause of desertification.

12thSZARJD22—6035-A

A-35-A

Turn Ov

(2)

2 each

Section-B

9. Define Biomagnification.
10. What is Soil Profile ?
11. Name the different methods of solid waste disposal.
12. What is Desulphurisation ?
13. Define Waste Segregation.
14. What are the different levels of Biodiversity ?
15. Define Cryopreservation.
16. What are the different components of acid rain ?
17. Which is the Umbrella Act in India and when was it passed ?
18. What is the purpose of EIA process ?

Section-C

3 each

19. Why do we need to control atmospheric pollution ?
20. Write a short note on Minamata disease.

12th SZARJD22-6035-A

A-35-A

21. What are the various impacts of Soil Pollution ?
22. Define Hazardous waste. What are its characteristics ?
23. What is *ex-situ* conservation ? How can it be achieved ?
24. What are the approaches to combat global warming ?
25. When was the Montreal Protocol signed and why ?
26. Define Sustainable Development. How can it be achieved ?
27. What are the objectives of Water (Prevention and Control of Pollution) Act, 1974 ?

Section-D

5 each

28. Describe the different methods used for controlling gaseous pollutants.

Or

Define Noise Pollution. What are its sources and impacts on human health ?

(4)

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

Or

Define Eutrophication. How does it affect aquatic ecosystems ?

30. ~~What~~ is Soil Erosion ? Describe the various methods for its control.

Or

Briefly explain the different types of soils found in India.

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A-35-A

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A-35-C

Roll No.....

Total No. of Questions : 30]

[Total No. of Printed Pages : 4

12thSZARJD22

6035-C

ENVIRONMENTAL SCIENCE

Time : 2.30 Hours]

[Maximum Marks : 70

Section-A

1 each

1. Plasma torches convert electric energy into intense energy.
2. wastes are generated from health care facilities and medical labs.
3. includes vegetable and fruit residues which decompose easily.
4. Botanical gardens are included in conservation.
5. Areas with high endemism and threats are called
6. Illegal hunting of wild animals is called
7. is the main gas contributing to global warming.
8. Expand UNFCCC.

12thSZARJD22-6035-C

Turn Over

A-35-C

Section-B

2 each

9. What is Blue Baby Syndrome ?
10. What are the constituents of Soil ?
11. Define Composting.
12. What is Desulphurisation ?
13. What are the different categories of solid waste ?
14. What are Endangered Species ?
15. Define Cryopreservation.
16. What is Greenhouse effect ?
17. Which is the Umbrella Act in India and when was it passed ?
18. What is Earth Summit ?

Section-C

3 each

19. Why do we need to control atmospheric pollution ?
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12thSZARJD22-6035-C

A-35-C

21. What are the various impacts of Soil Pollution ?
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Section-D

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A-35-C

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F-35-B

Roll No.

Total No. of Questions : 30+21]

[Total No. of Printed Pages : 8

XIIAPBIKD22

6935-B

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. MSW stands for
2. is a term used to describe liquids that leak from landfills.

XIIAPBIKD22—6935-B (New)

Turn Over

F-35-B

3. The final stage of solid waste management is
4. Convention on Biological diversity in Rio Summit was held in the year
5. Expand IUCN.
6. Species likely to become extinct in near future are known as species.
7. Montreal Protocol was established to phase out substances.
8. Expand IPCC.

Section-B

(Very Short Answer Type Questions)

2 each

9. What are primary gaseous pollutants ?
10. What is blue baby syndrome ?
11. Define Gully erosion.
12. Name any *four* methods of waste disposal.
13. What is Incineration ?
14. What are Endemic Speceis ?

XIIAPBIKD22—6935-B (New)

F-35-B

15. Define Habitat Fragmentation.
16. What is Kyoto Protocol ?
17. What is Agenda-21 ?
18. What do you mean by Project Screening ?

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 ?

XIIAPBIKD22—6935-B (New)

F-35-B

Turn Over

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.

F-35-B

(5)

XIIAPBIKD22

6935-B

ENVIRONMENTAL SCIENCE

(New/Old Course)

Time : 3 Hours]

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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 ?

XIIAPBIKD22—6935-B (Old)

F-35-B

Turn Over

(6)

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.

XIIAPBIKD22—6935—B (Old)

F-35-B

(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. Write down different causes of desertification.
16. What are the effects of ozone depletion on environment ?
17. Write *two* disadvantages of incineration.
18. What is EIA ? Write down scope of EIA.
19. Write down the main functions of Central Board, under the Water Act, 1974. <https://www.jkboseonline.com>
20. How is sustainable development helpful in future ?

(Objective Type Questions)

1 each

21. (i) Chlorofluorocarbon is used in :
- | | |
|-------------------|----------------------|
| (A) Refrigerators | (B) Air conditioners |
| (C) Perfumes | (D) All of these |

(ii) An is a furnace for burning waste.

(Fill in the blank)

(iii) is a waste treatment process that involves combustion of organic waste material.

(Fill in the blank)

Turn Over

XIIAPBIKD22-6935-B (Old)

F-35-B

- (iv) is most common method used for impact identification in EIA. (Fill in the blank)
- (v) In which unit sound is measured ?
(A) Kilometer (B) Pascal
(C) Kilogram (D) Decible
- (vi) First National Park developed in India is Gem Corbett National Park. (True/False)
- (vii) Determine whether or not a proposal should be subject to EIA.
- (viii) The World Environment Day is celebrated on (Fill in the blank)
- (ix) Short title, application and commencement is called Water Act (1974). (True/False)
- (x) What is Monitoring ?

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F-35-B

A-35-A

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6035-A

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12thSZARJD22—6035-A

A-35-A

Turn Ov

(2)

2 each

Section-B

9. Define Biomagnification.
10. What is Soil Profile ?
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12th SZARJD22-6035-A

A-35-A

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25. When was the Montreal Protocol signed and why ?
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27. What are the objectives of Water (Prevention and Control of Pollution) Act, 1974 ?

Section-D

5 each

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A-35-A

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A-35-C

Roll No.....

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12thSZARJD22

6035-C

ENVIRONMENTAL SCIENCE

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12thSZARJD22-6035-C

Turn Over

A-35-C

Section-B

2 each

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12thSZARJD22-6035-C

A-35-C

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A-35-C

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F-35-B

Roll No.

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XIIAPBIKD22

6935-B

ENVIRONMENTAL SCIENCE

(New/Old Course)

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(New Course)

Section-A

(Objective Type Questions)

1 each

1. MSW stands for
2. is a term used to describe liquids that leak from landfills.

XIIAPBIKD22—6935-B (New)

Turn Over

F-35-B

3. The final stage of solid waste management is
4. Convention on Biological diversity in Rio Summit was held in the year
5. Expand IUCN.
6. Species likely to become extinct in near future are known as species.
7. Montreal Protocol was established to phase out substances.
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Section-B

(Very Short Answer Type Questions)

2 each

9. What are primary gaseous pollutants ?
10. What is blue baby syndrome ?
11. Define Gully erosion.
12. Name any *four* methods of waste disposal.
13. What is Incineration ?
14. What are Endemic Speceis ?

XIIAPBIKD22—6935-B (New)

F-35-B

15. Define Habitat Fragmentation.
16. What is Kyoto Protocol ?
17. What is Agenda-21 ?
18. What do you mean by Project Screening ?

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 ?
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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 ?

XIIAPBIKD22—6935-B (New)

F-35-B

Turn Over

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.

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Describe the various types of soils found in India.

F-35-B

(5)

XIIAPBIKD22

6935-B

ENVIRONMENTAL SCIENCE

(New/Old Course)

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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 ?

XIIAPBIKD22—6935-B (Old)

F-35-B

Turn Over

(6)

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.

XIIAPBIKD22-6935-B (Old)

F-35-B

(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. Write down different causes of desertification.
16. What are the effects of ozone depletion on environment ?
17. Write *two* disadvantages of incineration.
18. What is EIA ? Write down scope of EIA.
19. Write down the main functions of Central Board, under the Water Act, 1974. <https://www.jkboseonline.com>
20. How is sustainable development helpful in future ?

(Objective Type Questions)

1 each

21. (i) Chlorofluorocarbon is used in :
(A) Refrigerators (B) Air conditioners
(C) Perfumes (D) All of these

(ii) An is a furnace for burning waste.

(Fill in the blank)

(iii) is a waste treatment process that involves combustion of organic waste material.

(Fill in the blank)

Turn Over

XIIAPBIKD22-6935-B (Old)

F-35-B

- (iv) is most common method used for impact identification in EIA. (Fill in the blank)
- (v) In which unit sound is measured ?
(A) Kilometer (B) Pascal
(C) Kilogram (D) Decible
- (vi) First National Park developed in India is Gem Corbett National Park. (True/False)
- (vii) Determine whether or not a proposal should be subject to EIA.
- (viii) The World Environment Day is celebrated on (Fill in the blank)
- (ix) Short title, application and commencement is called Water Act (1974). (True/False)
- (x) What is Monitoring ?

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XIIAPBIKD22—6935—B (Old)

F-35-B

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

XIIKDAR21-5036-A

Turn Over

B-36-A

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.

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 Settling 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.

B-36-B

Roll No.....

Total No. of Questions : 30]

[Total No. of Printed Pages : 4

XIIKDAR21

5036-B

ENVIRONMENTAL SCIENCE

Time : 3 Hours]

[Maximum Marks : 70

Section-A

1 each

1. The type of soil that is derived from the weathering of the igneous and metamorphic rocks is :
(A) Red soil
(B) Black soil
(C) Laterite soil
(D) Mountain soil
2. A cross-sectional view of the soil horizons is called
(Fill in the blank)
3. What is Pedology ?
4. The residential wastes mainly consist of :
(A) Food wastes
(B) Packaging material
(C) Chemicals
(D) Card boards

XIIKDAR21-5036-B

B-36-B

Turn Over

5. On-site handling, storage and processing is one of the important steps in solid waste management. (True/False)
6. EIA stands for
7. The Air (Prevention and Control of Pollution) Act was enacted in the year :
- (A) 1986
(B) 1974
(C) 1994
(D) None of these
8. The idea of sustainable development was conceived in early 2001. (True/False)

Section-B

2 each

9. What are Secondary Air Pollutants ?
10. What are the sources and ill-effects of lead in air ?
11. What is Biomagnification ?
12. What are the main effects of soil pollution ?
13. Give a brief account of distribution of Red Soil in India.

XIIKDAR21—5036-B

B-36-B

14. What are Sanitary Landfills ?
15. Name the Biodiversity Hotspots in India.
16. What is Smog ? What is the difference between 'London Smog' and 'Los Angeles Smog' ? <https://www.jkboseonline.com>
17. What are the characteristic features of a good EIA ?
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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 ?

XIIKDAR21-5036-B

B-36-B

Turn Over

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.

XIIKDAR21—5036-B

B-36-B

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

XIIKDAR21-5036-C

B-36-C

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.

D-35-B

Roll No.....

Total No. of Questions : 30]

[Total No. of Printed Pages : 4

XIIARKDN20

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 ?

XIIARKDN20-2035-B

D-35-B

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.

GIARKDN20—2035-B

3-35-B

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.

Turn Ove

XIIARKDN20-2035-B

D-35-B

(4)

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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-35-B

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D-35-C

Roll No.....

Total No. of Questions : 30]

[Total No. of Printed Pages : 4

XIIARKDN20

2035-C

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. Define Incineration. 1 each
2. Use of biological agents to treat contaminated soil is called
3. What is a soil profile ?

XIIARKDN20-2035-C

D-35-C

4. Cryogenic preservation is done at a temperature of

5. Zoological parks are a method of *in-situ* type/*ex-situ* type of conservation. (Choose the appropriate)

6. Where is Changthang Cold Desert Wild Life Sanctuary located ?

7. What are SPCB's ?

8. EIS stands 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. How does oil spill affect marine life ?

13. What are Bhanjar soils ? Name its two types.

14. Define e-Waste. Name *two* different sources of e-wastes.

15. What are biosphere reserves ?

16. What are seed banks ?

17. What is a climatic change ? What are *two* different causes attributed to climatic changes ?

18. Write *two* salient features of Environment Protection Act, 1986.

ARKDN20-2035-C

FC

(3)

Section-C

3 each

(Short Answer Type Questions)

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 each

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

Or

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

XIIARKDN20-2035-C

D-35-C

Turn Over

(4)

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

Or

What are hazardous wastes ? What are its different characteristics ?

~~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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C-32-Z

Roll No.....

Total No. of Questions : 30]

[Total No. of Printed Pages : 4

XIIARWZJDN20

2132-Z

ENVIRONMENTAL SCIENCE

Time : 3 Hours]

[Maximum Marks : 70

Section-A

1 each

1. The mineral portion of soil is divided into classes.
2. The phenomenon of sudden increase in the organic and inorganic nutrient supply is called
3. The elemental composition of SOM includes
4. Alluvial soils cover of land surface in India.
5. Moving grate incinerators are sometimes referred as
6. Many non-biodegradable cause environmental when released into land, water and atmosphere.
7. What is Auditing ?
8. The concept of sustainable development was first time established in

XIIARWZJDN20-2132-Z

Turn Over

C-32-Z

Section-B

2 each

9. How does Global Goals help to achieve sustainable achievement ?
10. Name different categories of soils as per ICAR. Explain any *two* of them.
11. Write down causes of soil pollution.
12. What are various effects of acid rain on plant life ?
13. Why is it necessary to maintain biodiversity in nature ?
14. Write a short note on aerosol and roof.
15. How does poor, solid waste management effects environment and community ?
16. How does venture scrubber work ?
17. What is Eutrophication ? Write different causes of eutrophication.
18. Explain any *two* sources of water pollution.

Section-C

3 each

19. Discuss aims and objectives of Air Act, 1981.
20. What are the major causes of noise pollution ?

XIIARWZJDN20-2132-Z

C-32-Z

21. What are the various causes and effects of ozone layer depletion ?
22. Define Solid waste. What are the sources of solid waste ?
23. Define Soil. Write down the composition of soil
24. Explain deep well injection.
25. What is 'Agrobiodiversity' ? What are its benefits to humans ?
26. What is Global Warming ? What are its effects ?
27. What is Sustainable development ? Write down various features of sustainable development. <https://www.jkboseonline.com>

Section-D

5 each

28. What is Biomagnification ? What are its causes and effects ?

Or

Explain different methods of sewage treatment before its release into water source.

(4)

29. What is Biodiversity ? What are the different methods used in *in-situ* conservation of biodiversity ?

Or

Give an account of factors leading to loss of biodiversity.

30. Name the various sources of air-pollution. Describe harmful effects of air pollution.

Or

Describe in detail the various methods to control noise pollution.

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C-32-Z

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