

B-30-X

Roll No.....

Total No. of Questions : 30]

[Total No. of Printed Pages : 4

12thARM(SZ)JKUT2024

1130-X

ENVIRONMENTAL SCIENCE

Time : 3 Hours]

[Maximum Marks : 70

SECTION-A

1 each

(OBJECTIVE TYPE QUESTIONS)

Note :- To be answered in *one* word or *one* sentence :

1. Deep well injection is a disposal method for wastes.
2. The contaminated liquid that may leak from a sanitary landfill is
3. includes vegetable and fruit residues which are decomposable.
4. Expand IUCN.
5. is the variety of different genes within individual species of living organisms.
6. Expand MAB.

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B-30-X

Turn Over

7. Kyoto Protocol was adopted to reduce the emission of
gases.
8. World Ozone Day is celebrated on^{16 Sep}..... .

SECTION-B

2 each

(VERY SHORT ANSWER TYPE QUESTIONS)

Note :- To be answered in **25** words :

9. What is an Effluent?
10. Define Primary Gaseous Pollutants.
11. Name the different types of water found in soil.
12. What is the composition of e-waste ?
13. Define Compost.
14. Define Cryopreservation.
15. Give *two* examples of extinct species.
16. What is Montreal Protocol ?
17. Define Agenda-21.
18. Why is EPA, 1986 called an Umbrella Legislation ?

Or

What do you mean by Project Screening ?

SECTION-C

3 each

(SHORT ANSWER TYPE QUESTIONS)

Note :- To be answered in **40** words :

19. How can we control air pollution with the help of electrostatic precipitators ?
20. Expand BOD. What does an increased BOD in a water body reflect ?
21. How is soil pollution caused ?
22. What are the main components of Solid Waste Management ?
23. What are the hotspots of biodiversity ?
24. Why is Greenhouse effect important ?
25. What are the impacts of Acid Rain ?
26. What are the steps towards achieving Sustainable Development ?
27. What are the salient features of Air (Prevention and Control of Pollution) Act, 1981 ?

Or

What is the importance of EIA ?

SECTION-D

5 each

(LONG ANSWER TYPE QUESTIONS)

Note :- To be answered in **100** words :

28. What are the different processes for controlling gaseous pollutants ?

Or

What are the sources and impacts of noise pollution ?

29. What is Eutrophication ? How does it affect water bodies ?

Or

What are the causes and consequences of marine pollution ?

30. Write short notes on the following :

(i) Soil Profile

(ii) Control of Soil Erosion

2,3

Or

Describe in detail the composition of soil.

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B-30-X

B-30-Y

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12th ARM(SZ)JKUT2024

1130-Y

ENVIRONMENTAL SCIENCE

Time : 3 Hours]

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SECTION-A

1 each

(OBJECTIVE TYPE QUESTIONS)

Note :- To be answered in *one* word or *one* sentence :

1. Expand MSW.
2. The contaminated liquid that may leak from a Sanitary Landfill is
3. Solid Waste Management Rules were notified in the year
4. Sacred Grove is an example of conservation.
5. Core, buffer and manipulation zones are a part of
6. species are confined to a particular geographical region.

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B-30-Y

7. Give *two* examples of Greenhouse Gases.
8. What is Photochemical Smog Composed of ?

SECTION-B

2 each

(VERY SHORT ANSWER TYPE QUESTIONS)

Note :- To be answered in **25** words :

9. Define Sewage.
10. What are Secondary Gaseous Pollutants ?
11. What is Pedology ?
12. What is the composition of e-waste ?
13. Define Biomedical Waste.
14. Define Cryopreservation.
15. Give *two* examples of Critically Endangered Species.
16. What are the causes of Global Warming ?
17. Define EIS.
18. Why is EPA, 1986 called an Umbrella Legislation ?

Or

What do you mean by Project Screening ?

SECTION-C

3 each

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B-30-Y

B-30-Z

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**12thARM(SZ)JKUT2024
1130-Z**

ENVIRONMENTAL SCIENCE

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SECTION-A

1 each

(OBJECTIVE TYPE QUESTIONS)

Note :- To be answered in *one* word or *one* sentence :

1. What are 3R's ?
2. The contaminated liquid waste that may leak from a sanitary landfill is *leachate*.
3. Vermicompost is the conversion of organic waste into manure with the help of *earthworms*.
4. What is Poaching ?
5. Wildlife sanctuaries are an example of *in-situ* conservation.
6. Biosphere programme was launched in the year *1971*.

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B-30-Z

Turn Over

7. Give two examples of ODSs.

8. Exapnd UNFCCC.

SECTION-B

2 each

(VERY SHORT ANSWER TYPE QUESTIONS)

Note :- To be answered in 25 words :

9. Define Biomagnification.

10. What are the impacts of Particulate Matter (PM_{10}) ?

11. Define Bioremediation.

12. What is the composition of e-waste ?

13. What are the impacts of open lumping of solid waste ?

14. Define Cryopreservation. <https://www.jkboseonline.com>

15. What are the *three* levels of biodiversity ?

16. List the major factors that cause desertification.

17. What is impact prediction in EIA ?

18. Why is EPA, 1986 called an Umbrella Legislation ?

Or

What do you mean by Project Screening ?

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