

Roll No.....

Z-30-A

Total No. of Questions : 30]

[Total No. of Printed Pages : 4

11th ARF(SZ)JKUT2024-25

230-A

ENVIRONMENTAL SCIENCE

Time : 3 Hours]

[Maximum Marks : 70

Section-A

1 each

Note :- Q. Nos. 1 to 8 to be answered in one word or one sentence each.

1. layer of atmosphere filters UV radiations.
2. The innermost region of the earth is called as
3. The uppermost mantle and the crust together are known as
4. Aestivation means sleep.
5. Name the biogeochemical cycle in which atmospheric component is absent.
6. Causative agent of tetanus
7. Inflammatory condition of liver is known as ..
8. IPM stands for

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Turn Over

Z-30-A

(2)

Section-B

2 each

Note :- Q. Nos. 9 to 18 to be answered in 30 words each.

9. What is the scope of Environmental science as a subject ?
10. What is ten percent law ?
11. Define food web.
12. Define exponential growth of population.
13. What are constituents of biogas ?
14. What are biofuels ?
15. What is Volcano ?
16. What are the objectives of Environmental education ?
17. Define health as per WHO.
18. What do you mean by watershed management ?

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(3)

Section-C

3 each

Note :- Q. Nos. 19 to 27 to be answered in 40 words each.

19. Write a short note on human environment relationship.
20. Explain geological succession and its different types.
21. What is parasitism ? Name the various types of parasites.
22. How do plants show adaptation to light ?
23. Differentiate between conventional and non-conventional resources of energy with examples.
24. What are biogeochemical cycles ? Name their types.
25. What are occupational diseases ? Describe in brief Silicosis.
26. What are the environmental impacts of using fertilizers ?
27. Differentiate between biopesticides and biofertilizers.

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Turn Over

Z-30-A

(4)

Section-D

5 each

Note :- Q. Nos. 28 to 30 to be answered in 75 to 100 words each.

28. What does demographic transition mean ? Discuss its phases.

Or

Define population dynamics. Discuss various factors regulating size of the population.

29. Write a short note on informal means of environmental education. Elaborate the role of NGO's in environmental awareness.

Or

Define environmental movement. Write a short note on Save Narmada Movement—'Narmada Bachao Andolan'. <https://www.jkboseonline.com>

30. Explain deforestation, causes, effects and control measures.

Or

What are Minerals ? Describe briefly the conservation of minerals.

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Roll No

Z-30-B

Total No. of Questions 30]

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11th ARF(SZ) JKUT 2024-25
230-B

ENVIRONMENTAL SCIENCE

Time : 3 Hours]

[Maximum Marks : 70

Section-A

1 each

Note :- Q. Nos. 1 to 8 to be answered in one word or one sentence each.

1. Total percentage of carbon in atmosphere is
2. is the layer of planet where life exists.
3. Diurnal animals are active during the
4. The phosphorus cycle is a cycle. (Gaseous/Sedimentary)
5. The magnitude of an earthquake is measured on scale.
6. Whooping cough is also known as
7. Widal test is done for identifying which disease
8. IPM stands for

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Turn Over

Z-30-B

(2)

Section-B

Note :- Q Nos. 9 to 18 to be answered in 30 words each

9. What is physical environment ?
10. What is ecological pyramid ?
11. What do you mean by biological succession ?
12. Define Crude density.
13. What is nuclear fusion ?
14. What are biofuels ?
15. Define Tsunami.
16. What are the objectives of environmental education ?
17. Write a short note on Botulism.
18. What do you mean by watershed management ?

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230-B

Z-30-B

(3)

Section-C

3 each

Note :- Q Nos 19 to 27 to be answered in 40 words each

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- 20 Explain geological succession and its different types.
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- 22 How do plants show adaptation to light ?
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- 24 What are occupational diseases ? Describe in brief Silicosis.
- 25 What are biogeochemical cycles ? Name their types.
- 26 What are the environmental impacts of using fertilizers ?
- 27 Differentiate between biopesticides and biofertilizers.

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230-B

Turn Over

Z-30-B

(4)

Section-D

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ENVIRONMENTAL SCIENCE

Time : 3 Hours]

[Maximum Marks : 70

Section-A

1 each

Note :- Q. Nos. 1 to 8 to be answered in one word or one sentence each.

1. Solid part of the earth is called as
2. % of the water on earth is freshwater.
3. The process by which microbes oxidize reduced N_2 compounds into nitrates and nitrites is called as
4. Which disease is also called as lock jaw ?
5. rocks are formed when molten lava cools.
6. The transition zone between two ecosystems is called as
7. Causative agent of cholera is
8. IPM stands for

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Turn Over

Z-30-C

Section-B

Note :- Q Nos 9 to 18 to be answered in 30 words each

9. Why is Environmental Science important to study ?
10. Define trophic relationship.
11. What do you mean by Autecology ?
12. What are positive checks of populations ?
13. List a few disadvantages of nuclear energy.
14. What are biofuels ?
15. What are Seismic waves ?
16. What are the objectives of environmental education ?
17. Define Silicosis.
18. What do you mean by watershed management ?

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230-C

Z-30-C

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Section-D

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