K25FY4118 Pages: 2 Reg No:.....
Name:.....

First Semester FYUGP Degree (Reg/Sup) Examination November 2025

KU1MDCCHE102 - ENVIRONMENTAL STUDIES

2024 Admission onwards

Time : 1.5 hours Maximum Marks : 50

Section A

Answer any 6 questions. Each carry 2 marks.

1. What are the consequences of particulate pollution on ecosystems?
2. What are its main causes of acid rain?
3. How fossil fuels are generated?
4. What are the sources of green energy?
5. Define soil formation.
6. What is the average temperature range of the troposphere?
7. What are agricultural discharges in the context of water pollution?
8. Which is the basic cause of itai-Itai diseases?

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Section B

Answer any 4 questions. Each carry 6 marks.

9. Describe the effect of global warming in hydrological cycle.
10. Give the composition of river water and sea water.
11. How does the atmosphere contribute to climate regulation?
12. Evaluate the impact of bio magnification of pesticides on aquatic food chain.
13. Briefly explain various chemical and biological methods for controlling soil pollution.
14. Analyze how plastics persist in the soil and affect the ecosystem.

Section C

Answer any 1 questions. Each carry 14 marks.

15. a)Describe important steps in reducing ozone depletion and promoting alternatives to ozone-depleting substances.
    b)How can we create a public campaign to promote actions to reduce air pollution and its effects on ecosystems?

16. a)Compare the environmental effects of solar and nuclear energy as energy sources.
    b)Explain the advantages of wind and biomass as energy sources.

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