

Dr. Anurag Singh CDD

22/12/2023 (29)

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National Institute of Technology Hamirpur
Centre for Energy Studies
End Semester Examination. December 2023

Code: EN- 101

Title of the Course: Energy Environment & Life Science
Maximum Marks: 50

Semester: 1st
Time: 3 Hours

Note: Attempt all questions.

1. What is biodiversity, and what are the various methods for conserving it? (5)
2. What is respiration? Differentiate between aerobic and anaerobic respiration. (5)
3. Explain the role of microbes in human welfare. (5)
4. Write a short note. (**attempt any three**) (6)
 - (a) C3 and C4 Pathway
 - (b) Carbon Footprint
 - (c) Nutrition
 - (d) Five- kingdom classification
5. Briefly describe various methods involved in strategies for enhancement in food production. (4)
6. Discuss the role of energy and environment policies in mitigating climate change. (5)
7. What are some technological advancements in India's efforts for renewable energy, and which institutions are involved in supporting these programs? (5)
8. How are the Greenhouse Effect, Global Warming, and Ozone Depletion connected to environmental issues, and why are they important to address? (5)
9. What are the effects of water pollution, and what measures can be implemented to control and mitigate its impact on the environment? (5)
10. Why is environmental education important, and what role does it play in promoting a more eco-conscious society? (5)