

Final Assessment Test - November 2016

Course: CHY1002 - Environmental Sciences

Class NBR(s): 7592 / 7602 / 7612 / 7622

Time: Three Hours

Slot: A1

Max. Marks: 100

PART – A (10 X 4 = 40 Marks)

Answer ALL Questions

1. Define second law of thermodynamics and why is it important?
2. Explain about secondary ecological succession with an example.
3. How does biological diversity relate to the characteristics of the abiotic factors of an ecosystem?
4. What are the main causes of the loss of biological diversity nowadays?
5. Besides mercury, which other heavy metals cause toxic pollution?
6. List out the main chemical compounds that destroy the ozone layer? Discuss about montreal protocol.
7. Discuss on the advantages of Hydropower?
8. What makes coal a non-renewable resource and list out the disadvantages associated with it?
9. How to create awareness among the students towards the environmental protection?
10. Distinguish between population growth and population change.

PART – B (6 X 10 = 60 Marks)

Answer any Six Questions

11. Cellular respiration is the process in which plants and animals make use of stored energy and release carbon dioxide back into the atmosphere. Describe this process with suitable diagram.
12. What are the different types of species interactions? Give an example and explain why studying them is important.
13. How can you, as an individual prevent environmental pollution? Why such an effort at individual level is important?
14. What is biomass energy? Explain in detail on energy production from biomass.
15. Briefly discuss the salient features of Environmental (Protection) Act, 1986.
16. How can age – structure pyramids serve as useful tool for predicting population growth trends of a nation? Explain with examples.
17. In detail explain, the management and discarding methods for disposing the solid waste.
18. Account of Ocean Thermal Energy and Geo Thermal Energy with suitable diagram.