



VIT

Vellore Institute of Technology

Final Assessment Test – November 2018

Course: CHY1002

Environmental Sciences

Class NBR(s): 6664 / 6666 / 6669 / 6671 / 6673 / 6675 /

6677 / 6678 / 6683 / 6685 / 6687 / 6790 / 7302

Time: Three Hours

Slot: B1+TB1

Max. Marks: 100

Answer any TEN Questions
(10 X 10 = 100 Marks)

1. Explain the term "Consumerism and waste products" with respect to developed and under developed countries. Discuss the significance of IPAT equation in assessing the environmental degradation. [10]
2. Discuss the various process involved in ecological succession. *Nutrition, Interaction, Competition, Migration, Stabilization* [10]
3. Explain in detail the various in-situ and ex-situ methods for the conservation of biodiversity. [10]
4. Describe the five major ways of species interaction with examples. [10]
5. Give a comparative account of urban and industrial wastes in terms of their sources, management and disposal methods. [10]
6. a) Discuss the safety issues and risk factors associated with nuclear power plants. [5]
b) Write a short note on Water Conservation Act. [5]
7. a) What are the effect of polymer on baby bottles? State the of chemical hazards associated with it. [5]
b) Write a short note on water foot print and virtual water. State the various activities that accounts for Blue, Green or Grey Water Foot print. [5]
8. Describe in detail, how wind and water can be used to generate energy without degrading the environment. [10]
9. What are the objectives of environmental impact awareness (EIA)? Explain the guidelines involved in it. [10]
10. Discuss the age structure pyramids serve as useful tools for predicting population growth among nations. [10]
11. Discuss the various types of carbon sequestration methods. [10]
12. Explain the role of information technology in environmental and human health. [10]

40 SEARCH VIT QUESTION PAPERS

TELEGRAM TO JOIN

Pre
Prediction
Mutualism
Commensalism

Participation
Transpiration
Creativity
Accountability
Liberty

Incineration