



VIT

Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

SCHOOL OF ADVANCED SCIENCES

B.Tech. (Q.P. was given based on slot-wise) – Winter Semester 2018-19

Continuous Assessment Test-I, January 2019

Course Code : CHY1002
Course name : Environmental Sciences
Semester : Winter 2018-2019
Class number : 4047, 4048, 4049, 4052, 5302, 5303, 5304

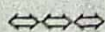
Duration : 90 min.
Max. Marks : 50
Slot : D2
Time : 2.00-3.30 pm

Answer ALL the Questions

Marks

1. Explain the impact of population and consumption on environment in USA and India using a model. 5
2. How do plants make use of the nitrates and nitrites present in soil? Mention how human activities affect this cyclic process. 5
3. Pyramid of energy is always upright"-describe with any one energy flow model. 5
4. Taking into account of the significance of food web, explain the term "biological magnification", with a suitable example. 5
5. Explain the various stages of an ecological succession ensue in hydrarch. 5
6. "Emerging technology has created a new pathway for the biologists towards genetic alteration of natural crops"- Is it a positive/negative sign- Comment with an appropriate example. 5
7. 'Deliberately introduced species can harm our environment' justify the statement with an example. 5
8. What is the ecological niche of a species? Explain briefly the differences between a habitat and an ecological niche. 5
9. Briefly explain the different exercises of conserving plants and wildlife on earth. 5
10. Differentiate the following terms, extinct, endemic, endangered, vulnerable and rare species with proper examples. 5

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