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

SCHOOL OF ADVANCED SCIENCES

Winter Semester 2018-19

Continuous Assessment Test -I

Course Code : CHY 1002

Duration : 90 Minutes.

Course Name : Environmental Sciences

Max. Marks : 50

Slot : D1+TD1

Date : 23.01.2019

Faculty Name : THENMOZHI. K, MADHVESH PATHAK, CHERALATHAN K.K., PRABHAKARAN. D, RAVIKANTH. K, SAI SARASWATHI .V, CHARLES BEROMEIO BHEETER, ETHIRAJ. K. R, U. VIJAYALAKSHMI, BUVANESWARI. G, SUSEEM S.R

Class Nbr : VL2018195004022, 4025, 4026, 4027, 4030, 4031, 4036, 4040, 4041, 4042, 4043

Answer ALL the Questions (10 x 5 = 50 Marks)

1. Explain the core principles of sustainability.

2. Elaborate the impact of IPAT equation taking in to account of Indian scenario.

3. Analysis why nature prefers food web when linear food chains already exist?

4. Starting from a bare rock, explain how does ecological succession proceeds to a climax?

5. Illustrate the circulation of nitrogen among biotic and abiotic components in an ecosystem.

6. State how interspecific competition and prey-predator relationship play a significant role in population stabilization, flow of energy and nutrients in an ecosystem.

7. Imagine that you are provided with food prepared from GM crops in VIT canteens, would you welcome or oppose it? Validate your stand.

8. Aquatic biodiversity renders a lot of economic and environmental benefit to mankind. Elaborate on this.

9. Recently, a cheetah was found wandering in the villages of Vellore spreading panic across. Explain the causes and remedy for such situations.

10. Discuss any five methods to conserve the species outside their own habitat?

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