



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



JOIN  
VIT QUESTION PAPERS  
ON TELEGRAM

**School of Advanced Sciences**  
**Fall Semester 2018-19**  
**Continuous Assessment Test -I**

**Course Code** : CHY 1002

**Course Name** : Environmental Sciences

**Slot** : B1+TB1

**Duration** : 90 Minutes.

**Max. Marks** : 50

**Date** : 13-08-2018

**Faculty Name** : PRABHAKARAN D, ASHARANI I.V, THIRUMANAVELAN G, MADHVESH PATHAK, KAUSHIK CHANDA, KARPAGAM S, BARNALI MAITI, NAPOLEON A.A, MOHANA ROOPAN S, VEERA VENKATA RAMESH E, VIJAYANAND C, ASHOK KUMAR S.K, U. VIJAYALAKSHMI.

**Class Nbrs** : 6664, 6666, 6669, 6671, 6673, 6675, 6677, 6678, 6683, 6685, 6687, 6790, 7302

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

1. Discuss briefly on energy flow in an ecosystem.
2. Explain the following terms with suitable examples.
  - a. Extinct Species b. Endangered Species c. Endemic Species, and d. Rare Species.
3. Is the genetically modified crops are in need to feed the world? Justify your answer.
4. State and explain the various types of species interaction.
5. Elaborate how carbon circulates between biotic and abiotic components on earth. How do humans interfere in this?
6. Discuss briefly the different stages of ecological succession.
7. State the IPAT equation and explain its significance.
8. Describe the advantages of in-situ biodiversity conservation over ex-situ conservation.
9. Figure out why species are being threatened in biodiversity hotspots.
10. What is the ecological niche of a species? Explain briefly the differences between a habitat and an ecological niche.

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