

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

1. (a) Discuss in detail the sequential process involved in the ecological succession which occurs in a fresh water.  
(b) How 1<sup>st</sup> and 2<sup>nd</sup> law of thermodynamics helps us to understand the energy flow in an ecosystem?
2. Despite the inert nature of Nitrogen molecules. Why and how it is cycled in an ecosystem?
3. How many biodiversity hotspots are available in India? Discuss in detail about the strategies and approaches to conserve them.
4. List out possible domestic solid waste and explain the available methods used for safe disposal of solid waste.
5. Recommend any three renewable energy techniques in detail which can meet the present and future India's energy demand.
6. Explain how EIA fits in the concept of sustainable development.
7. (a) Write short notes on Montreal protocol.  
(b) Write a short note on Wild life protection act. (1973)
8. How the population pyramids helps us to understand the population growth trends of nation? Explain with examples.
9. Recent, many fish were found to be dead in the lake neighbouring VIT, Vellore campus. Identify the reason behind this situation.
10. How the information technology professionals can contribute to the sustainable development of India?
11. Explain in detail about the four sequestration methods to reduce the CO<sub>2</sub> in the atmosphere.
12. Can genetically modified food feed the world? Justify.

[5]  
[5]

⇔⇔⇔



JOIN  
VIT QUESTION PAPERS  
ON TELEGRAM

SEARCH VIT QUESTION PAPERS  
ON TELEGRAM TO JOIN