



**Answer any TEN Questions**

**(10 X 10 = 100 Marks)**

1. What are the seral stages involved in ecological succession? Explain in detail of plant succession which occurs from a pond.
2. Explain the impact of anthropogenic activities on water and carbon cycles.
3. How does the species interactions influence the ecosystem and classify the endangered species?
4. Natural and anthropogenic activities are affecting the biodiversity. Justify the statement with conservational solution.
5. a) Explain the significance of food web over food chain. [5]  
b) How does GM differ from conventional plant breeding? Discuss the consequences of GM technology. [5]
6. What kind of toxic substances present in soft drink cans or baby bottles that are responsible for the risk of health?
7. Write a note on solid waste classification and management methods.
8. Explain the role of water electrolysis in Solar-Hydrogen revolution.
9. Write a short note on Environment protection act 1986 and explain the role of Central Pollution Control Board (CPCB), in India.
10. Correlate the population age structures and growth or decline of a country. Explain with examples.
11. Discuss any two scientific approaches to control global warming.
12. a) Identify the ozone layer depleting substances and discuss their role. [5]  
b) Largest ozone hole has been observed on Antarctica in 2006. Though ozone depleting substances are present throughout the stratosphere. Justify? [5]



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