

**PART - A (10 X 4 = 40 Marks)**

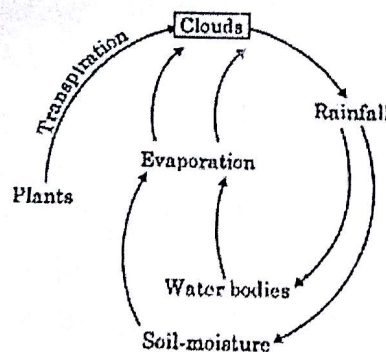
Answer ALL Questions

1. How are our ecological footprints affecting the earth?
2. Is pollution always caused by humans? Justify your answer with proper explanation.
3. What are all the environmental damage caused by mercury pollution? What are the main sources of mercury pollution?
4. List out the pros and cons of Genetically Modified crops.
5. India is a mega-biodiversity nation. Justify.
6. What is meant by 3 R? Explain in detail.
7. Write any four advantages of biofuel.
8. What are the goals of EIA?
9. Briefly discuss the World Summit on Children.
10. Differentiate Nuclear fusion and Nuclear fission reactions to generate electricity.

**PART - B (6 X 10 = 60 Marks)**

Answer any SIX Questions

11. The following diagram illustrates the general model of a hydrological cycle. What types of human activities can affect a water cycle?



12. Discuss the structure and ecological energy pyramid for aquatic ecosystem.
13. a) Outline the provisions of the Kyoto Protocol.  
b) What are the possible effects of global warming? [5]
14. Explain in detail about the more sustainable methods to discard the solid waste. [5]
15. What is nuclear fuel cycle? Explain any two methods to conserve nuclear energy. Give its pros and cons.
16. As a CEO of private sector, you have to solve the energy crisis in your company. What are the suitable methods you will adopt. Explain any two methods in detail.
17. "Environment education can play an important role in environmental protection". Explain it. Also, explain role of NGO's in Environmental Awareness.
18. Discuss the major components of population growth and explain in detail about age structure with the help of population pyramid.