

## **Questions**

- 1.** Write the scope and importance of Environmental Studies.
- 2.** Discuss the vertical structure of the atmosphere and the significance of each layer with a suitable diagram.
- 3.** Define food chain. Discuss the different types of food chains existing in nature with suitable examples.
- 4.** Discuss energy flow in an ecosystem with a schematic diagram. Explain the 10 % rules of the energy flow model and establish the relationship between GPP and NPP.
- 5.** What do you mean by Acid rain. Explain with an arrow diagram. Also summarize some of the bad effects of acid rain.
- 6.** What is ecological succession? Differentiate between primary and secondary ecological succession with a suitable diagram.
- 7.** What is biodiversity? Discuss the different values of biodiversity.
- 8.** Write the point of difference between endangered and endemic species, and briefly discuss about the biodiversity hotspot of India with examples.
- 9.** Discuss the various threats to biodiversity and write about the adverse effects of biodiversity loss on humans and the environment.
- 10.** Define In-situ and Ex-Situ conservation of Biodiversity and give examples from each category.
- 11.** Explain coagulation and flocculation.
- 12.** Difference between primary and secondary water treatment?
- 13.** Explain Eutrophication.
- 14.** Explain the difference between garbage and rubbish.
- 15.** Explain different types of landfills in solid waste management.
- 16.** What do you mean by incineration in solid waste management.
- 17.** What is cyclone separator. Explain with a diagram.
- 18.** What is electrostatic precipitator explain with a diagram.
- 19.** What is fabric filtration system. Explain with a diagram.
- 20.** What is the difference between absorption and adsorption.
- 21.** What is Chapman Cycle explain with a diagram.
- 22.** How the Ozone layer is formed and maintained explain with chemical reactions.
- 23.** What do you mean by Ozone hole.
- 24.** What's the effects of over exposure of UV radiation.
- 25.** How the ozone layer thickness is measured explain with an example.