

SET- 'A'

B.Sc. Life Science / VI Sem
Paper –LSPT/615
(Paper Title – Ecology and Environmental Management)
Unique Paper Code: 216655

Time: 2 Hours

Maximum Marks: 75

(Write your University Roll Number and Paper Title and Code on top of the Answer Sheet)

Attempt any four questions in all. All questions carry equal marks.

1. Describe in detail various forms of water that are present in soil. What do you understand by water holding capacity of the soil and what factors does it depend upon? How can we improve the water holding capacity of any soil?
2. What are the various types of ecological pyramids that tell us about various relationships in ecosystems? Give their significance in ecosystem studies. What are their limitations?
3. What are the ecological communities? Describe the various steps in the development of ecological communities. Discuss the development of a community in an aquatic ecosystem.
4. Land pollution is a global environmental problem and plastic use has aggravated it. Discuss the impact of plastic pollution on aquatic and terrestrial life? Why is banning of plastic an important step towards better environment?
5. What is EIA? Discuss in detail the steps and process involved in undertaking EIA? Enlist the projects that have to undergo EIA?
6. What is sustainable development? How do according to you sustainable development can be achieved? When and how did this concept evolve?