

Set 1

- 1 Justify Environmental Studies is multi-disciplinary in nature.
- 2 Discuss energy flow in an ecosystem with a schematic diagram.
- 3 According to IUCN, six types of plant and animals are specified in Red Data Book. Discuss all types with examples.
- 4 What is In-Situ conservation of biodiversity? Classify them and discuss.
- 5 Discuss the nitrogen cycle in nature with a suitable diagram.
- 6 What are these terms? Hydrosere, Mesarch, Xerach, Lithosere, Psammosere, Halosere etc. Explain them.
- 7 Write down biotic and abiotic factors involved in ecological succession?
- 8 Write the structure of the ecosystem?
- 9 Draw pyramid of biomass for terrestrial and aquatic ecosystem.
- 10 What is primary production? Differentiate gross primary production and net primary production

Set 2

- Discuss vertical structure of atmosphere and significance of each layer with suitable diagram.
- Write about the scope and objective of environmental studies.
- Define biogeochemical cycle and discuss carbon cycle with suitable schematic diagram.
- What do you understand by hot spot biodiversity? Briefly discuss the hot spot biodiversity of India.
- Distinguish between endemic and endangered species with examples.
- What is Ex-Situ conservation of biodiversity? Classify them and discuss.
- Write details of all the five steps of primary ecological succession?
- Write major functions of ecosystem? What is biomagnification?
- Define biodiversity and discuss different values of biodiversity.
- Discuss various major threats to biodiversity in India.

Set 3

- Write brief note on environmental science, engineering and management.
- Differentiate the food chain and food web. Write the types of food chain with example.
- What is ecological succession? Discuss the principle of ecological succession with a suitable diagram?
- Discuss various threats to biodiversity in India.
- Enlist ten bio-geographical zones of India.
- Discuss the hydrological cycle in nature with a suitable diagram.
- Differentiate between the primary and secondary ecological successions?
- Draw the parasitic food chain and pyramid of numbers?
- Justify India is a mega biodiversity nation in the world.
- What do you understand by hot spot biodiversity? Briefly discuss the hot spot biodiversity of India.