

Environmental studies

Question Bank

MULTIDISCIPLINARY NATURE OF ENVIRONMENT STUDIES

1. Write the definition of Environmental studies.
2. Discuss the scope and importance of environmental studies.
3. What is the need for public awareness with respect to protection of our own environment?
4. What is green technology?
5. What are the main benefits of green technology?
6. Why environmental studies are multidisciplinary in nature.

ECOSYSTEM AND BIODIVERSITY

1. How forest resources play a vital role in the economy of India.
2. What is the deforestation? What are its causes?
3. List some of the social and economic effects of deforestation.
4. List some of the environmental effects of deforestation.
5. What is Timber extraction?
6. What is mining? List some of the negative social impacts of mining.
7. What are the effects of dams on forests?
8. What are the effects of dams on tribal people?
9. What are the benefits and disadvantages of Dams?
10. Explain with the help of the diagram the energy flow in an ecosystem.
11. Discuss briefly the use and over-utilization of surface water.
12. Discuss briefly the use and over-utilization of ground water.
13. What is flood? What are its common sources? List some of the worst damages from floods.
14. How drought originates?
15. What are various constraints to planning for drought?
16. Enumerate a case study on conflicts over water.
17. What is a mineral? What are the various uses of minerals?
18. Is our complex modern society is built around the exploitation and use of mineral resources?
19. What are the environmental effects of extracting and using mineral resources?
20. What do you understand by endemic species. Give examples.
21. What is undernourishment? Why is it a world food problem?
22. What is malnutrition? Why is it a world food problem?
23. What are the effects of agriculture on the environment?
24. What are the changes caused by overgrazing?
25. What are the effects of modern agriculture (Discuss fertilizer and pesticide problems)?
26. What are the hotspots of biodiversity. Discuss the hotspots of India.
27. What is salination? How salinity can be checked?
28. What is water logging?
29. Why energy needs are growing at the global and Indian levels?
30. Differentiate between renewable and non renewable energy sources.

31. Why the use of alternate energy sources-green fuel is essential?
32. Discuss various biogeographic zones of India.
33. Explain various zones of Marine ecosystem.Which is the most rich in consumers and why?
34. Which factors are responsible for the land degradation?
35. What is soil erosion? Discuss the factors which influence the extent to which soil erosion will occur.
36. What is desertification? How it originates?
37. Why the equitable use of resources is necessary for sustainable lifestyle?
38. What is carrying capacity?
39. Different between food chain and food web.
40. What are consumptive and productive values of biodiversity.

ENVIRONMENTAL POLLUTION AND DISASTER Management

1. Define pollution. What are pollutant and their sources?
2. What are the main sources of air pollution? Discuss its effects on human health, building and materials.
3. Suggest some measures to control air pollution.
4. What is water pollution? Discuss the major sources of water pollution.
5. Discuss various remedial measures to minimize water pollution.
6. Enumerate various sources of soil pollution. How does it affect agricultural production?
7. Enumerate various effects of soil pollution. How do industrial agro products and pesticides deteriorate the soil?
8. Discuss methods of controlling soil pollution.
9. What do you understand by marine pollution? What are its effects on marine ecosystem?
10. Enlist the sources that cause radioactivity. Discuss their effects on human beings and materials.
11. Discuss methods to dispose-off the nuclear waste effectively.
12. Classify different types of solid waste and mention their effects.
13. Mention various methods used to dispose solid wastes along with their merits and demerits.
14. Write a note as to how an individual can assist in preventing pollution.
15. Define BOD and COD. Which one of these is a better parameter for determining the strength of a polluted waste water and why?
16. Differentiate between aerobic and non aerobic decomposition of biodegradable organic matter present in a water body.
17. Describe the activated sludge process and sedimentation process for sewage treatment.
18. How could you determine total biodegradable organic matter.
19. Explain the term BOD5.
20. Write explanatory notes on (i) Trickling filters and (ii) Oxidation tank used in sewage treatment.
21. What are risk reduction measures for cyclones.
22. What is an earthquake?What is the difference between magnitude and intensity of an earthquake?
23. Enumerate major causes of landslides in India.
24. Natural disasters have increased recently.Comment.

SOCIAL ISSUES

1. Define the term sustainable development.
2. Briefly describe wasteland reclamation .How can wasteland be classified?
3. Enumerate major consequences of population growth.
4. What is urbanization? Discuss the problems associated with the phenomenon.
5. Describe about the environmental impact assessment.
6. What do you understand with carbon credits?
7. Write short notes on green bench and environmental management system ISO 14000 series.
8. What is ecosystem management? Explain the basic functional elements of waste management?
9. What is green bench and where it was constituted first?
10. Why do the green benches shut down later?
11. What are the objectives and components of EMS.
12. What are the merits and demerits of carbon credits?
13. What is Kyoto Protocol? What is the short coming of Kyoto Protocol.
14. List important environmental laws of India.
15. Why is ISO: 14000 and ISO:14001.How many requirements are there for ISO 14000: 2004 standards? List these requirements.
16. Does ISO 14001 set limitations for discharge limit of emission?
17. What can of organization can obtain ISO: 14001?

HUMAN POPULATION AND ENVIRONMENT

1. Elaborate the causes, symptoms and preventive measure of AIDS.
2. Briefly describe few family welfare programmes initiated by the Indian Government recently.
3. Name a few applications of IT in environment and human health.
4. Mention few schemes for upliftment of the girl child introduced by our government in recent years.