

DEPARTMENT OF ZOOLOGY
QUESTION BANK

Semester 4 - Core

ECOLOGY AND HABITAT DESTRUCTION AND DISASTER MANAGEMENT

1 mark questions

1. Carbon dating
2. Limiting factor
3. Ecological indicators
4. Saprotrophs
5. WWF
6. Organic farming
7. Ecotone
8. IUCN
9. Shelford's law of tolerance
10. Gene pool
11. Phagotrophs
12. Heliophytes
13. Sciophytes
14. Neuston
15. Nekton
16. CITES
17. WCED
18. Kasturi Rangan
19. EPA
20. Silent Spring
21. Sunderlal Bahuguna
22. Medha Patkar
23. Greenhouse gases
24. Earth Summit
25. Bt technology
26. Pandemic

2 mark questions

1. E-waste
2. Ionizing radiation
3. CITES
4. Biosphere reserves

5. Edge effect
6. S-shaped population growth curve
7. j shaped curves
8. liebig's law of minimum
9. green house gases
10. carrying capacity
11. comment on the importance of mangroves
12. Red data book
13. Bioremediation
14. desertification
15. biofertilizers
16. green house gases
17. Red data book
18. Cyclomorphosis
19. Allens rule
20. Bergann's rule
21. Soil Profile
22. Carbon cycle
23. Sulphur cycle
24. Phosphorus cycle
25. Recycle index
26. Limiting factor
27. permafrost
28. Ecotone
29. Ecological indicators
30. Endangered species
31. Threatened species
32. Carbon trading
33. biosensors
34. Eutrophication
35. Sustainable Development
36. Greenpeace
37. Sacred Groves
38. Chipko Movement
39. Narmada Bachao Andolan
40. The Koel Karo Movement
41. Silent Valley Movement
42. Mullaperiyar Dam Issue
43. Save Chaliyar Movement
44. Movement against Endosulphan

45. Movement against Coca-cola
46. Ramsar Site
47. Mangroves of Kerala
48. Impact of flood on ecosystem
49. What is the impact of volcanoes on ecosystem
50. Bioterrorism
51. What are biological disasters?
52. Disaster Management Cycle

4 mark questions

1. Explain the importance of mangroves in coastal system
2. Enumerate the biotic and abiotic relationships of an ecosystem
3. What are biogeochemical cycles. Mention the different types
4. Bring out the significance of wetlands
5. Give an account on population growth forms
6. Write an account on different types of speciation
7. Soil profile (draw with diagram)
8. Why ecosystem is considered as cybernetic system
9. Nitrogen cycle
10. Recycling pathways
11. Environmental Resistance
12. Biotic potential
13. E-waste management
14. Green chemistry
15. Measurements for sustainable development
16. Environmental Movements in Kerala
17. Madhav Gadgil Report
18. Kasturi Rangan Report
19. What are wetlands? Write a short note on conservation of wetlands?
20. What are earthquakes? How do they impact our ecosystem?
21. Write a short note on cyclogenesis and impact of cyclones on ecosystem.
22. Explain the environmental impact of mining.
23. Write a note on the impact of monoclonal plantation on ecosystem.
24. Write a note on the impact of genetically modified crops on ecosystem.
25. Write a note on the impact of developmental projects on ecosystem.
26. What are the major natural disasters induced by human intervention. Explain briefly.
27. Write a note on man-made disasters by citing examples.
28. What is vulnerability in terms of disaster management? Which factors influence vulnerability?

Essay questions

1. Discuss the different types of population interactions with suitable examples
2. Write an account on the effects of ionizing radiation on the human health and the disposal methods available for radioactive wastes
3. Explain various types of isolations and isolations mechanism
4. Explain the different bioremediation strategies used in the treatment on environmental pollution
5. What are the management practices needed for conserving the ecosystem
6. Anthropogenic impact on ecosystem
7. Describe the role of biotechnology in environmental management
8. Give an account on the causes of extinction
9. What are wetlands? Write an essay on Ramsar Convention; reclamation of wetlands and anti-reclamation movements.
10. Write an essay on natural factors for disruption in ecosystem.
11. Write an essay on anthropogenic influence on ecosystem.
12. Write an essay on various methods of disaster management.
13. Write an essay on mitigation of natural disasters.