

QUESTION BANK

UG SEM2 - ADDITIONAL CORE COURSE 15U2ARENV1: Environmental Studies

SHORT ESSAY TYPE QUESTIONS

UNIT-I: The multidisciplinary Nature of Environmental Studies

1. Briefly explain the different organisations that have led to environmental Protection in our country.
2. Being a graduate student, how will you enlist the importance of environmental studies?
3. Highlight the multidisciplinary approach of environmental studies.
4. Explain the need of public awareness in conservation of environment.
5. List out and explain the role played by eminent personalities in shaping the environmental history in our country.

UNIT II: Natural Resources

6. What is deforestation? Explain the effects of deforestation.
7. Explain how will you conserve the natural resources?
8. "Tribal communities are totally dependent on forest ecosystem" Do you agree with the above statement? Explain
9. What would be your suggestion towards 21st century energy resources?
10. What are the food resources upon which mankind can subsist? What are the threats against these resources?
11. Give an account on energy resources which are less environment friendly also suggest some alternatives that can replace the most polluting energy resources.
12. What methods are currently available to harness the energy from solar radiations? Give a detailed account of technologies involved.
13. Discuss the methods for efficient utilization of energy stored biomass?

Unit III: Ecosystems

14. Briefly describe the energy flow in the ecosystem.
15. Explain the structure and functions of an ecosystem.
16. Explain the different forest types in India.

17. Explain the different types of aquatic ecosystems? What are the threats to aquatic ecosystems?
18. What is Ecological Succession? Write different stages of Ecological Succession.
19. Briefly describe biogeochemical cycles. Write two examples.
20. What are grasslands? Write short notes on the grassland types in India.
21. What are the direct and indirect values that are provided by ecosystems?
22. Why should a desert ecosystem be conserved?
23. What are the uses of aquatic ecosystems and give ways to conserve them?
24. What are the uses of forests to man?

UNIT IV: Biodiversity

25. Describe the values of Biodiversity.
26. Describe the threats to biodiversity. How biodiversity can be conserved?
27. A seminar is organized by your college on "Endangered and endemic species of India" What would be the expected points of discussion?
28. What is in-situ and ex situ-conservation? Write two examples for each
29. If you are invited to explain the levels of biodiversity to a conservation community, how will you address it?
30. What is a hotspot? How it is important?
31. What is the difference between endemic and exotic species?
32. Write a note on red Data book
33. What is co-extinction? Explain with an example.
34. How can you as an individual prevent the loss of Biodiversity?
35. Define Biodiversity? Who coined the Term Biodiversity? Explain different types/levels of Biodiversity
36. Explain different threats to Biodiversity and suggest measures to mitigate these threats
37. Briefly explain how different types of pollutions affect biodiversity
38. Explain *in-situ* and *ex-situ* conservation measures of biodiversity
39. Explain Endemic and Endangered Species with two examples each for plants and animals
40. What is hotspots of biodiversity and explain its significance in conservation of biodiversity
41. What are the biogeographic zones of India
42. Justify India as a megadiversity country

Unit V: Pollution

43. Define air pollution. Explain the causes, effects and control measures of air pollution.
44. What do you mean by solid waste management? Explain the control measures of urban and industrial waste.

45. Define water pollution. Explain the causes, effects and control measures of water pollution.
46. Being a proud Indian citizen what would be your individual role in prevention of pollution?
47. What do you mean by disaster management? Explain the steps involved in disaster management.
48. What is pollution? Describe the different types of pollutants and pollution.
49. What do you understand by air pollution? Describe various causes.
50. Briefly describe the various air pollutants.
51. What is soil pollution? What are the causes?
52. Give brief account on Noise pollution.
53. What is nuclear pollution? Describe the causes and effects.
54. What are the causes of water pollution?
55. Describe briefly the thermal pollution.
56. Describe the effects of water pollution?
57. Briefly describe the effects of air pollution.

Unit VI: Social issues and the Environment

58. What is Climate Change? Explain the effects of climate change.
59. With the help of an example, explain the principle of 3R's of waste management.
60. What do you mean by environmental ethics? How can you relate the ethical basis to environmental education and awareness?
61. Explain the need of wasteland reclamation and its components.
62. "Global warming is a fake argument" Justify the statement.
63. Evaluate Indian Wildlife protection Act.
64. Define sustainable development; why we have to move from unsustainable to sustainable development.
65. Explain the methods of water conservation.
66. Explain the methods of soil conservation.
67. What is ethical basis of environmental education?
68. Write an essay on chipko movement.
69. What is wasteland reclamation? How it can be used in agriculture, agro forestry & forestry.
70. Describe the components of wasteland reclamation, exemplifying the case of Tehri, uttar Pradesh
71. Write about air pollution act.
72. Write an essay on environment act in India
73. What can an Individual do to control air pollution?
74. Write about the water act explaining prevention and control of water pollution.
75. Write an essay on forest conservation act
76. What are issues involved in enforcement of environmental legislation?
77. Describe EIA.
78. How we can create public awareness on environmental sensitivity?

Unit VII: Human Population & Environment

79. How the environmental problems are related to population growth?
80. Evaluate the Human Rights in current international scenario.
81. Write a brief note on water borne diseases prevalent in India.
82. What are various methods to prevent the transmission of AIDS?
83. How population growth affects natural resources and their utilization?
84. Discuss the extent of effectiveness of Family Welfare Programmes in controlling population growth.
85. Write a short note on life style diseases.
86. Describe various underlying factors of malnutrition.
87. Mention the importance of a biodiversity register in India.
88. Write a brief note on value education.
89. Explain the importance of sustainable development in the present scenario.
90. How information technology can be utilized in conservation of nature?