

**FIRST SEMESTER B.Com  
Foundation Course I CO 1121**

**ENVIRONMENTAL STUDIES  
(QUESTION BANK)**

1. What is the primary unit of study in ecology?
2. Define the term "ecosystem."
3. What is the difference between a food chain and a food web?
4. Name a biotic and an abiotic component of an ecosystem.
5. Explain the concept of the carrying capacity of an ecosystem.
6. Define biodiversity.
7. Name one factor contributing to the loss of biodiversity.
8. What is the importance of biodiversity in an ecosystem?
9. Name a biodiversity hotspot region.
10. What does the term "endangered species" signify in the context of biodiversity?
11. Differentiate between renewable and non-renewable resources.
12. Name a fossil fuel.
13. Give an example of a renewable resource.
14. Define the term "sustainable development."
15. How can we conserve water resources?
16. What is the role of an Environmental Impact Assessment (EIA) in industries?
17. Name one method industries can employ to reduce air pollution.
18. Define "carbon footprint."
19. How can industries contribute to the conservation of natural resources?
20. Explain the concept of 'greenwashing' in the context of industry and environment.
21. Name a social initiative that promotes environmental conservation.
22. How does urbanization impact the environment?
23. What is the significance of environmental education in society?
24. Explain the term "sustainable lifestyle."
25. Describe one example of a community-based environmental project.
26. What is the relationship between population growth and environmental impact?
27. How does family planning contribute to environmental conservation?
28. Name a consequence of overpopulation on natural resources.
29. What is the significance of the demographic transition model concerning the environment?
30. Explain the term "carrying capacity" concerning human populations and the environment.
31. Define the concept of an ecosystem and illustrate its components and interactions within a particular habitat.
32. Explain the significance of biodiversity within an ecosystem. How does biodiversity contribute to the stability and resilience of an ecosystem?

33. Discuss the impact of human activities on the balance of an ecosystem. Provide examples of interventions that can help restore ecological balance.
34. What are the primary threats to biodiversity globally? How do these threats impact ecosystems and the environment?
35. Explore the importance of preserving biodiversity for human well-being. Provide examples of how biodiversity loss affects various aspects of human life.
36. How can communities and governments promote biodiversity conservation and sustainable use of natural resources? Discuss specific initiatives or strategies that have been successful in this regard.
37. Explain the concept of natural resources and classify them into renewable and non-renewable categories. What are the challenges associated with the overexploitation of these resources?
38. Describe the relationship between human development and the depletion of natural resources. How can a balance be achieved between resource consumption and conservation?
39. Assess the role of technology and innovation in sustainable management and utilization of natural resources. Provide examples of successful practices or advancements in this field.
40. Analyze the environmental impact of various industries. How can industries reduce their ecological footprint and adopt more sustainable practices?
41. Discuss the concept of green technology and its significance in minimizing industrial pollution. Provide examples of industries that have successfully integrated eco-friendly practices into their operations.
42. Explore the role of governmental policies and regulations in mitigating the negative impact of industries on the environment. How effective are these regulations, and what further measures could be implemented?
43. Investigate the correlation between social issues (such as poverty, inequality, or urbanization) and environmental degradation. How do these issues exacerbate environmental problems?
44. Discuss the role of education and awareness in addressing social issues related to the environment. How can raising awareness and education contribute to a more sustainable society?
45. Examine case studies or examples of community-based initiatives that have successfully tackled social issues while promoting environmental sustainability.
46. Evaluate the impact of population growth on the environment. How does population density affect resource consumption and ecological balance?
47. Discuss potential solutions for balancing human population growth and environmental sustainability. How can policies and practices manage population growth while ensuring environmental health?
48. Analyze the relationship between family planning, socioeconomic development, and their impact on the environment. What strategies can be employed to promote responsible family planning while considering environmental concerns?
49. What is the primary difference between a habitat and a niche within an ecosystem?
50. Explain the concept of ecological niche and provide an example of how two species can coexist in the same habitat by occupying different niches.
51. Define biodiversity and its three main components. Give an example of each component.

52. How does deforestation impact biodiversity and natural resources? Provide two specific examples.
53. What is the purpose of an Environmental Impact Assessment (EIA) in the context of industrial projects? Why is it important?
54. Describe one technology or practice that industries can adopt to reduce their environmental impact.
55. What is the Tragedy of the Commons, and how does it relate to social issues and the environment?
56. Provide an example of a social initiative or movement aimed at addressing environmental issues and improving sustainability.
57. Explain the concept of carrying capacity in relation to human population growth and its impact on the environment.
58. How can family planning and education contribute to controlling human population growth and reducing its negative environmental impacts?
59. What is an ecosystem and how is it different from a habitat?
60. Explain the concept of a trophic level in an ecosystem.
61. Describe the difference between a producer and a consumer in an ecosystem.
62. What is the significance of the carbon cycle in an ecosystem?
63. Define the term 'biome' and give an example of one.
64. Discuss the importance of biodiversity in maintaining ecosystem stability.
65. Explain the concept of ecological succession. How does it contribute to ecosystem development?
66. What is an ecological niche, and why is it important in understanding ecosystems?
67. Describe the difference between a food chain and a food web in an ecosystem.
68. How do keystone species contribute to the stability of an ecosystem?
69. Discuss the importance of genetic diversity in biodiversity conservation.
70. Define the term 'endemic species' and provide an example.
71. Explain the impact of deforestation on biodiversity and ecosystems.
72. Discuss the importance of marine biodiversity and the threats it faces.
73. What is the role of conservation biology in preserving biodiversity?
74. Explain the concept of sustainable harvesting of natural resources.
75. How does climate change affect biodiversity and natural habitats?
76. Describe the significance of pollinators in maintaining biodiversity.
77. Discuss the implications of invasive species on native biodiversity.
78. Explain the importance of wetlands in supporting biodiversity.
79. What are the key environmental challenges faced by the mining industry?
80. Explain the impact of industrial pollution on air, water, and soil.
81. Describe the concept of circular economy and its role in sustainable industrial practices.
82. How do industries contribute to the depletion of natural resources?
83. Discuss the role of sustainable technology in reducing environmental impact.
84. What are the benefits of green infrastructure in urban development?
85. Explain the significance of eco-friendly packaging in reducing environmental pollution.

86. Discuss the environmental impact of the agriculture and farming industry.
87. How do industries contribute to climate change, and what measures can be taken to reduce their impact?
88. Describe the role of corporate social responsibility in environmental conservation.
89. Discuss the concept of environmental justice and its importance in society.
90. How does poverty contribute to environmental degradation?
91. Describe the environmental impact of rapid urbanization on communities.
92. Explain the relationship between population growth and its impact on natural resources.
93. Discuss the environmental implications of consumerism and overconsumption.
94. Explain the role of education in promoting environmental conservation.
95. What are the challenges faced by indigenous communities regarding environmental preservation?
96. Discuss the impact of climate change on vulnerable communities.
97. Explain the role of media in raising awareness about environmental issues.
98. Describe the concept of sustainable communities and their significance in environmental conservation.
99. How does overpopulation impact the environment?
100. Describe the concept of the demographic transition model and its phases.

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