

**GE6351 - ENVIRONMENTAL SCIENCE AND ENGINEERING**

**QUESTION BANK**

**UNIT-1 ENVIRONMENT, ECOSYSTEM AND BIODIVERSITY**

**2 MARKS**

1. Mention the scope of environmental studies.
2. List out the importance of environmental studies.
3. What are hazards?
4. What are the control measures of hazards?
5. Define Ecology.
6. Give the classification of biotic components?
7. Mention the abiotic components.
8. What are the functions of an ecosystem?
9. Differentiate between ammonification and nitrogen fixation.
10. What do you understand by the term “ecological succession”.
11. Give the significance of food chain and food web.
12. What is meant by ecological pyramid?
13. What are aquatic ecosystem?
14. What is the importance of biodiversity?
15. List out the impacts of biodiversity loss.
16. What are the major threats to biodiversity?
17. Define biodiversity. Give the types of biodiversity.
18. Classify the values of biodiversity.
19. What is meant by biogeographical classification?
20. What is hot-spots of biodiversity?
21. What is Red data book?
22. Differentiate between endangered and endemic species.
23. List out the factors affecting endangered species.
24. What are the factors affecting endemic species?
25. Define over exploitation.
26. Give examples of endangered and endemic species of India.

**16 MARKS**

1. Define hazards. Explain different types of hazards and their health effects.
2. What is ecosystem? Describe the structure and function of an ecosystem.
3. Describe the types, characteristic features, structure and function of the (i) forest ecosystem (ii) grassland ecosystem.
4. Describe the types, characteristic features, structure and function of aquatic ecosystem.
5. Explain the energy flow in the ecosystem.
6. Explain Nitrogen and Oxygen Cycles.
7. Brief about the stages, types and process of ecological succession.
8. Explain the types of biodiversity
9. Examine the various threats to biodiversity.
10. Classify the values of biodiversity in detail.
11. Write a note on the endangered and endemic species of India.
12. Brief about biodiversity at global, national and local level
13. India is a mega diversity nation – Discuss
14. Define the term hot-spots of biodiversity. Explain in detail.
15. How will you conserve biodiversity?
16. Write a note on In-situ and ex-situ conservation of biodiversity.