

**Model Questions of Zoology Hons.
CC- II (Principles of Ecology)**

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1. What are limiting factors ?
 2. What are the laws of limiting factors ?
 3. What is Natalty, Mortality ?
 4. What is Life table and fecundity table ?
 5. Which factors regulate population densities ?
 6. What is Survivorship curve ?
 7. State the types of Survivorship curves with example.
 8. What is age and sex ratio ?
 9. What is dispersal ? Which factors regulate them ?
 10. What is population growth curves ?
 11. What is logistic and exponential growth curves ?
 12. What are density dependent and independent factors ?
 13. What is Gause's principle ?
 14. What is Lotka-Volterra equation ? State significance.
 15. State species richness, dominance, diversity and abundance.
 16. What is vertical stratification ? State significance.
 17. What is Ecotone and Edge effect ?
 18. What is Ecological Succession ?
 19. What are the stages and types of Ecological succession ? Give examples.
 20. What is climax community. State characters.
 21. What are the theories on Climax community ?
 22. State different types of ecosystems with examples.
 23. What is food chain ?
 24. State different types of food chain with examples.
 25. Describe detritus and grazing food chains.
 26. State Linear and Y-shaped food chains with examples.
 27. What is food web ? How is it connected with food chains ?
 28. How energy flows in an ecosystem ?
 29. What is 10% law ? State significance.
 30. What is ecological pyramid ? State the types with examples.
 31. Which pyramid shows actual relationships among organisms in ecosystem ?
 32. Can pyramid be inverted ? Give examples.
 33. What is ecological efficiencies ?
 34. What is biogeochemical cycle ?
 35. Describe Nitrogen cycle ?
 36. What is Nitrifying, denitrifying, Nitrite and ammonifying bacteria ?
 37. What is ex-situ, in-situ conservation ? Give examples.
 38. What are the management strategies for Tiger conservation ?
 39. What are the wildlife protection laws ?
 40. What is National park, Sanctuary, Biosphere Reserve ? Give examples.