

**FOURTH SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2002**  
**(Regular/Improvement/Supplementary)**

**ZOOLOGY**

**FZOL4E10- ENVIRONMENTAL BIOLOGY-I: MAN, ENVIRONMENT & NATURAL RESOURCES**

**Time: 3 Hours**

**Maximum Weightage: 30**

**Part A: Answer any *four* questions. Each carries *two* weightage.**

1. Briefly discuss the characteristic features of trade winds.
2. Write short notes on orbital eccentricity.
3. Provide a brief account of Surface albedo.
4. Briefly explain conventional energy sources.
5. Comment on baby boom.
6. Write notes on the importance of sustainable development.
7. Briefly describe any four factors controlling the development of an ecosystem.

**(4×2 = 8 weightage)**

**Part B: Answer any *four* questions. Each carries *three* weightage.**

8. Explain different types of population pyramids.
9. Briefly explain different functions of ecosystem.
10. Highlight the features of City ecosystems.
11. Write notes on rain water harvesting techniques.
12. Provide an account of forest products of animal origin.
13. Write an account of any four fish by-products.
14. Briefly discuss the causes and consequences of thermal inversions.

**(4×3 = 12 weightage)**

**Part C: Answer any *two* questions. Each carries *five* weightage.**

15. Explain in detail different categories of clouds .
16. Discuss the causes and consequences of global climate changes.
17. With suitable diagrams describe different energy flow models.
18. Provide an account of non-renewable natural resources and discuss about the effects of its depletion.

**(2×5 = 10 weightage)**