

**Environmental Science
(CE-216, Dec 2006)**

Time: 3 Hrs

Max Marks: 60

Note: Section A is compulsory. Attempt any four questions from Section B and two from Section C.

Section-A

1. (a) What is BIOSPHERE?
(b) Differentiate between renewable and non renewable natural resources?
(c) Enumerate possible environmental effects of dams (river valley projects)
(d) Differentiate between water logging and salinity.
(e) Explain solar air-conditioning?
(f) What is thermal pollution?
(g) What is ecological succession?
(h) "Rain water harvesting could be a possible option for water conservation"
Examine?
(i) What is an 'eco-mark'? What are its objectives?
(j) Discuss the role of information technology (IT) in human health.

Section-B

2. Discuss the assimilative and supportive capacity of natural environment. Consider carrying capacity as a planning tool.
3. Explain basic principles of ORGANIC FARMING as against modern agricultural practices.
4. What are the benefits and limitations of BIOTECHNOLOGY?
5. Discuss the results of the MONTREAL PROTOCOL?
6. How does VALUE EDUCATION help in environmental protection?

Section-C

7. Discuss India's Mega-diverse biodiversity.
8. Write short notes on:-
 - (a) Population explosion
 - (b) Maximum sustainable yield
 - (c) Doubling time
 - (d) Population growth curve
9. Explain the significance of geo environmental cycles in balance of ecosystem.