



Notes : 1. All questions are compulsory and carry equal marks.

1. Discuss temperature as a limiting factor with the help of examples. **16**

OR

a) Describe the objectives of ecology and subdivision of ecology. **8**

b) Explain in detail fire as limiting factor. **8**

2. Discuss commensalism as biotic interaction with the help of examples. **16**

OR

a) Describe benthos and periphytons as an indicator of water quality. **8**

b) Explain characteristics of fresh water habitat. **8**

3. Discuss in brief the characteristic of population ecology. **16**

OR

a) Describe the growth and structure as characteristic of community ecology. **8**

b) Explain the ecological succession in xerosere. **8**

4. Discuss biogeochemical cycle w.r.t. Nitrogen and oxygen. **16**

OR

a) Write about ecological pyramids. **8**

b) Discuss anthropogenic impact of ecological perturbation on ecosystem. **8**

5. a) Write a note on Shelford's law of Tolerance. **4**

b) Explain competition as negative interaction. **4**

c) Explain the periodicity as characteristics of community ecology. **4**

d) Write about function of the ecosystem. **4**
