



Note : 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 biotic potential and carrying capacity. 8

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

2. Discuss commensalism interaction with the help of examples. 16

OR

a) Describe characteristics of fresh water habitat. 8

b) Explain mutualism interaction with the help of examples. 8

3. Discuss in brief the characteristics of population. 16

OR

a) Describe stratification as characteristic of community ecology. 8

b) Explain the ecological succession in xerosere. 8

4. Discuss the nitrogen cycle with a neat sketch. 16

OR

a) Write about food web. 8

b) Discuss the factors affecting productivity. 8

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

b) Explain Negative biotic interaction. 4

c) Explain the significance of ecological succession. 4

d) Write about ecological pyramids. 4
