



( 2 )

**Unit-II**

2. Explain the concept of sustainable development.

**OR**

Write short notes on any **two** of the following :

- (a) Concept of resilience
- (b) Sustainability indicators
- (c) Anthropogenic perturbations

**Unit-III**

3. Explain the concept of 'Ecological Niche'.

**OR**

Write short notes on any **two** of the following :

- (a) Interspecific associations
- (b) Synthetic characters used in community analysis
- (c) Concept of continuum

**Unit-IV**

4. Describe the changes that takes place in the properties of ecosystem during succession.

**OR**

( 3 )

Write short notes on any **two** of the following :

- (a) Xerosere
  - (b) Temporal changes in vegetation
  - (c) Inhibition models
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