

B.Sc. (Part-III) CBCS Pattern Semester-VI  
**USENV DST-14 - Environmental Science Paper-II : Environmental Restoration**

P. Pages : 1

Time : Three Hours



GUG/W/23/13354

Max. Marks : 50

- Notes :
1. All questions are compulsory and carry equal marks.
  2. Illustrate the answers with suitable diagrams and examples.

1. Discuss chemical and biological restoration in detail. 10  

**OR**

  - a) Explain the role of ecological principles in restoration. 5
  - b) Write a note on types of restoration. 5
2. Explain phyto-extraction and phyto- stabilization as restoration method. 10  

**OR**

  - a) Describe components of eco-restoration w.r.t. nursery process. 5
  - b) Explain phyto- volatilization as a measure of eco-restoration. 5
3. Discuss restoration of mine affected lands w.r.t. coal mine and manganese mine. 10  

**OR**

  - a) Write about eco-restoration of degraded lands. 5
  - b) Explain how the eco- restoration of lakes is carried out. 5
4. Discuss restoration of forest land and range land. 10  

**OR**

  - a) Explain the benefits of restoration to local inhabitants. 5
  - b) Describe socioeconomic issues of lake beautification. 5
5. Answer in brief **any ten**. 10
  - a) Define conservation biology.
  - b) Explain the role of public participation in restoration.
  - c) What is holistic approach in restoration?
  - d) What is restoration monitoring indicator?
  - e) Explain briefly rhizo- filtration.
  - f) What is biophysical analysis?
  - g) How restoration of damaged dunes is done?
  - h) Write the steps in restoration of landslide affected areas.
  - i) Explain how restoration of non-mineral extracted plains is carried out.
  - j) What are the benefits of wildlife tourism?
  - k) Write about restoration of mangroves.
  - l) What are issues in rehabilitation of Great India Bustard?

\*\*\*\*\*