

USENV DST-14 - Environmental Science Paper-II : Environmental Restoration

P. Pages : 2

Time : Three Hours



GUG/W/24/13354

Max. Marks : 50

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

1. Describe physical and chemical methods for restoration. 10

OR

a) Describe biological methods for restoration. 5

b) State major tools used in restoration. 5

2. Explain eco-restoration by plants with respect to phyto-stabilization and phyto-transformation. 10

OR

a) Explain the steps involved in eco-restoration process. 5

b) What is phyto-volatilization and rhizo-filtration for plant restoration? 5

3. Explain in detail how restoration of mine affected land w.r.t. coal mine and manganese mine is carried out. 10

OR

a) What are pollution absorbing plants? Explain with examples. 5

b) Discuss greenbelt development in and around the city for restoration of air. 5

4. Explain the methods for restoration of forest land. 10

OR

a) Discuss the role of environmental education in conservation and restoration. 5

b) Explain the role of IIFM Bhopal as forest research institute. 5

- a) Define restoration ecology.
- b) What is holistic approach in restoration?
- c) What is nature's healing potential?
- d) Name examples of plant species used for eco-restoration.
- e) What is biophysical analysis?
- f) Briefly explain restoration monitoring indicators.
- g) Give role of local biodiversity committee for restoration.
- h) State any two measures for eco-restoration of volcanoes.
- i) Name the plant species used in green belt development.
- j) Write the benefits of wildlife tourism.
- k) Write full form of GIB.
- l) In which part of India conservation of wild buffaloes is carried out?
