

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

P. Pages : 2

Time : Three Hours



GUG/S/25/13354

Max. Marks : 50

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

1. Define restoration. Give the principles and types of restoration. 10

OR

a) Write a short note on physical restoration. 5

b) Explain the role of NGO's in conservation and restoration. 5

2. Explain Phyto - extraction and Phyto – stabilization as ecorestoration by plants. 10

OR

a) Describe the five steps of Eco – restoration. 5

b) Write a short note on restoration monitoring indicators. 5

3. Explain how to restore the mine affected lands. 10

OR

a) Briefly explain the Eco – restoration of surface water. 5

b) Describe the restoration of flood affected area. 5

4. How the restoration of wild animals and plants can be done? Explain the role of Forest research institutes in restoration. 10

OR

a) Discuss natural and artificial restoration of Mangroves. 5

b) State the benefits of restoration to local inhabitants. 5

5. Answer in brief **any ten**. 10

a) Why eco – restoration is necessary?

b) What is nature's healing potential?

c) What do you mean by Indigenous knowledge?

d) Mention the parameters of biophysical analysis.

- e) Write the objectives of ecological restoration.
- f) Which are the commonly used plant species for eco - restoration?
- g) Why should we restore soil fertility?
- h) What do you mean by carbon sequestration?
- i) Enlist the damages caused by earthquake.
- j) Give the full form of IIFM.
- k) Define ecological succession.
- l) How Environmental education can help conservation activities?
