

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

P. Pages : 1

Time : Three Hours



GUG/S/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 physical and biological methods of restoration. 10
OR
a) Explain principle and necessity of eco-restoration 5
b) Discuss restoration ecology Vs conservation biology. 5
2. Explain components of eco-restoration w.r.t. seed collection and nursery process. 10
OR
a) Describe five steps of eco-restoration. 5
b) Explain phytoextraction process of eco-restoration. 5
3. Describe methods of restoration of degraded lands and soil fertility. 10
OR
a) Explain methods of restoration of contaminated air. 5
b) Describe how restoration of earthquake hit areas is carried out. 5
4. Explain eco-restoration of natural resources w.r.t. forest land and rangeland. 10
OR
a) Discuss role of environmental education in restoration. 5
b) Explain issues regarding rehabilitation of Great Indian Bustard. 5
5. Answer in 2-3 lines **any ten**. 1x10
a) Define restoration ecology. =10
b) Give the role of NGOs in restoration.
c) What is indigenous knowledge of restoration?
d) Write restoration monitoring indicators.
e) What is Phyto-stabilization?
f) Write briefly about Phyto-transformation.
g) Explain the role of local biodiversity management committee for restoration.
h) What is carbon sequestration?
i) State the role of green belt development around Industry.
j) Give reasons for man-animal conflict.
k) Explain issues about conservation of wild buffaloes in Buser.
l) Give benefits of Wildlife tourism to local villagers.
