

B.Sc.(Part-III)(with Credits)-Regular-Semester 2012 Sem VI
B.Sc.4522 - Environmental Science : Paper-II (Environmental Restoration)

P. Pages : 2

Time : Three Hours



GUG/W/16/5639

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. What is nature's healing potential? Describe chemical methods of restoration. 10

OR

Describe phyto-extraction and rhizo-filtration methods of eco-restoration.

2. Describe how restoration of earthquake hit area can be carried out? 10

OR

State the need of restoration of biological Diversity. Explain restoration of mangroves.

3. a) Comment on - Holistic approach in restoration. 2½

b) How selection of plant species can be done for eco-restoration? 2½

c) Describe methods for restoration of soil fertility. 2½

d) What are the benefits of restoration to local inhabitants? 2½

OR

e) Discuss the contribution of public participation in restoration.

f) What are the steps involved in eco-restoration?

g) How flood affected area can be restored?

h) Highlight the role of environmental education in conservation and restoration.

4. a) Briefly discuss physical methods of restoration. 2½

b) How biophysical analysis is carried out? 2½

c) Explain how restoration of wasteland can be carried out. 2½

d) What are socioeconomic issues of lake beautification? 2½

OR

e) Discuss the contribution of NGO's in conservation and restoration.

f) Describe nursery process for re-vegetation plan.

- g) How eco-restoration of groundwater can be carried out?
- h) What are the issues regarding rehabilitation of Great Indian Bustard in Maharashtra?

5. Answer in 2 – 3 lines **any ten.**

- a) Give types of restoration. 1
- b) Name tools used in restoration. 1
- c) What is indigenous knowledge? 1
- d) Name methods used for sowing plants. 1
- e) What is rhizosphere bioremediation? 1
- f) How seed collection is carried out? 1
- g) What is carbon sequestration? 1
- h) Give examples of plants used in green belt development. 1
- i) What is super cyclone? 1
- j) Define gene pool. 1
- k) In which part of India conservation of wild buffaloes is carried out? 1
- l) What is wetland? 1
