

B.Sc. 6<sup>th</sup> Semester (Honours) Examination, 2022  
FORESTRY

Course ID: 63515

Course Code: SH/FST/NR 3213

**Course Title: Restoration Ecology**

Full Marks: 50

Time: 2 Hours

*The figures in the margin indicate full marks.  
Candidates are required to give their answers in their own words as far as practicable*

I. Write a definition or one sentence answer any 10 of the following 10 x 1=10

1. Soil acidity
2. Desertification
3. Name two species for shelterbelts
4. Halophytes
5. Capillary water
6. Biodegradable pollutants
7. Mention to species for soil reclamation
8. Mention two N<sup>2</sup> fixers
9. Soil conservation hedges
10. Sheet erosion
11. Mention two factors of desert locality
12. Land slides
13. Cause of salt affected soils
14. Soil erosion types
15. R horizon

II. Write short note/ define any 10 of the following 10 x 2 =20

1. Sand dune stabilization
2. Mention two salt tolerant species
3. Salt evasion
4. What is physiological dry soil?
5. What is wind erosion?
6. Mention two grasses for mined out area
7. How exotic species act as a biological factor for land degradation
8. Define pedogenesis
9. Mention two soil characters with respective to productivity
10. Write down 2 example of plant species which are planted on water logged areas.
11. What are cold deserts?
12. Reclamation of denuded hill slopes
13. Biodegradable pollutant
14. Degraded land classification
15. Water shed management

III. Write down in brief any four of the following.

4 x 5=20

1. What are the technical requirements for reclamation and management of saline soils?
2. Define water logging. What are the types of water logging?
3. Define Wind Erosion. Discuss factors affecting wind erosion.
4. What is land degradation? What are different types of land degradation?
5. Application of VAM in reclamation of waste land.
6. Describe afforestation practices of waterlogged area.

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