

October 2025
B.A./B.Sc.
Fifth Semester
DISCIPLINE SPECIFIC ELECTIVE – 2
BOTANY
Course Code: BOD 5.21
(Natural Resource Management)

Total Mark: 70
Time: 3 hours

Pass Mark: 28

Answer five questions, taking one from each unit.

UNIT-I

1. Write a note on each of the following: 7×2=14
 - (a) Socio-economic impacts vis-a-vis sustainable resource management
 - (b) Jhum cultivation is sustainable. Justify.
2. What do you mean by sustainable utilisation of natural resources? Discuss some approaches of sustainable utilisation of resources with reference to ecological impact. 2+12=14

UNIT-II

3. Write a note on each of the following: 7×2=14
 - (a) Groundwater management
 - (b) Watershed management
4. Discuss the various factors that lead to soil degradation. Discuss its management strategy as well. 7+7=14

UNIT-III

5. Write a note on each of the following: 7×2=14
 - (a) Trade secret
 - (b) Trademark
6. Elaborate on bioprospecting in the context of Nagaland, citing appropriate examples. 14

UNIT-IV

7. Write a note on each of the following: 7×2=14
(a) Forest cover depletion and its management
(b) Minor forest products
8. Discuss the renewable and non-renewable sources of energy. 14

UNIT-V

9. Write a note on each of the following: 7×2=14
(a) Environmental impact assessment
(b) Ecological footprint
10. What is participatory resource appraisal? Discuss the significance of resource accounting. 14
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