K24U 1614

Reg. No. : ....

Name : ....

Second Semester B.Sc. Degree (CBCSS – OBE-Regular/Supplementary/ Improvement) Examination, April 2024
(2019 Admission Onwards)
CORE COURSE IN FORESTRY
2B02FOR : Forest Ecology and Dendrology

Time : 3 Hours

Max. Marks : 40

PART – A

Short Answer Questions. Answer **all**. (6×1=6)

1. Define Ecology.

2. Define Population.

3. Define Climax.

4. Define Dendrology.

5. Define Succession.

6. Define Ecotone.

PART – B

Short Essay Questions. Answer **any six.** (6×2=12)

7. Discuss Lindemann law of 10 percent.

8. Distinguish primary and secondary succession.

9. Enlist different types of bark.

10. State poly climax theory.

P.T.O.

11. Explain carrying capacity.

12. Discuss food chain.

13. List out the spot characters of family Rhizophoraceae.

14. Write the economic importance of family Meliaceae.

PART – C

Essay Questions. Answer **any four**.   **(4×3=12)**

15. Discuss ecological pyramids and different types.

16. Elaborate on various successional models.

17. Explain the rules of plant nomenclature.

18. Discuss various plant phyllotaxy.

19. What are the various systems of plant classification ?

20. Discuss various population distribution patterns.

PART – D

Long Essay. Answer **any two**.   **(2×5=10)**

21. What is herbaria ? Explain the different steps in the preparation of herbaria.

22. Discuss the systematic position, spot characters and economic importance of various subfamilies under Leguminosae.

23. Elaborate on various types of population interactions.

24. Discuss the qualitative and quantitative characteristics of a plant community.

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