



K23U 2353

Reg. No. :

Name :

V Semester B.Sc. Degree (CBCSS – OBE – Regular/Supplementary/
Improvement) Examination, November 2023
(2019 – 2021 Admissions)
CORE COURSE IN FORESTRY
5B10FOR : Forest Genetics, Tree Improvement and Biotechnology

Time : 3 Hours

Max. Marks : 40

PART – A

Short answer questions. Answer **all**.

(6×1=6)

1. Tree Improvement.
2. Monoecious tree.
3. Herkogamy.
4. Cline.
5. Exotic.
6. Explant.

PART – B

Short Essay questions. Answer **any six**.

(6×2=12)

7. Seed Orchard.
8. Heritability.
9. Tissue culture.
10. Candidate tree and plus tree.
11. Genetic gain.

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12. Quantitative inheritance.
13. Synthetic seed.
14. Incubation.

PART – C

Essay questions. Answer **any four**.

(4×3=12)

15. Combining ability and its types.
16. Comparison tree method.
17. Advantages of tissue culture.
18. Progeny trial.
19. Pedigree selection.
20. Estimation of genetic gain.

PART – D

Long Essay questions. Answer **any two**.

(2×5=10)

21. Selection from uneven aged stand.
22. Breeding for insect and pest resistance.
23. Applications of invitro propagation.
24. Hybridization in forest trees.

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