



Roll no.....

End Semester Examination, December 2024
B. Sc. (Hons.) Agriculture-III Semester
Fundamental of Forestry (SAAG125A)

Time: 2.5 hrs.

Max Marks: 30

Instructions:

- 1) Question No. 1 under Section-A is compulsory.
- 2) Attempt any four from Q. No. 2 to Q. No. 6 under Section-B
- 3) Attempt any two from Q. No. 7 to Q. No.9 under Section-C

Section-A(Compulsory)

1. (a) Fill in the blanks with appropriate words: 2
[CO-1] [L-1]

- (i) A process in which the branch of a plant is cut off in order to produce a flush of new shoots.....
- (ii) Forest is derived from latin word Foris mean

1. (b) Give the term used for the following: 2
[CO-1] [L-1]

- (i) Pruning
- (ii) Forestry

1. (c) Match the items given in Column-A with those in Column-B: 2
[CO-3] [L-5]

- | Column-A | Column-B |
|--|--------------------|
| (i) Commercial tree growing by farmers on their own land | (a) Mixed Forestry |
| (ii) Practice of forestry for raising fodder grass with trees, fruit trees and fuel wood trees | (b) Farm forestry |

Section-B

2. (a) Describe in detail about forestry and its benefits in India.
(b) Write down the classification of forest based on age 3[CO-] [L-1]
3. Discuss the factors affecting regeneration of forests 3[CO-2] [L-2].

4. Differentiate between dominant and codominant crown trees 3[CO-2] [L2]
5. Illustrate the single pole method of tree height measurement. 3[CO-3] [L-3]
6. (a) Explain the concept of alley cropping and how it differs from conventional monoculture farming."
(b) What is taungya cultivation? Explain its different types. 3[CO-4] [L-1]

Section-C

7. (a) Explain crown classification with diagrammatic representation and define forest mensuration with its objectives . 6[CO-3] [L-1]
- 8 (a) Discuss different systems of agri-silviculture system
(b) Give a brief overview of National Forest Policy 1988. 6 [CO-4] [L-2]
- 9 What is shifting cultivation? Discuss its benefits,drawback and how it helps in agriculture growth . 6 [CO-4] [L-1,2]

KEY

Q1.(a) (i) pollarding (ii) outside

Q 1(d) (i)b (ii) a