B.Sc. Semester-IV Examination, 2022-23

FORESTRY [Honours]

Course ID : 43512   Course Code : SH/FST/SA 2207

Course Title : Silviculture of Indian Trees

Time : 2 Hours   Full Marks : 50

The figures in the right-hand margin indicate marks.

Candidates are required to give their answers in their own words as far as practicable.

1. Write a definition or one sentence answer any **ten** of the followings: 1×10=10

    a) Coppice forest

    b) Flowering period of Palas

    c) Flowering of Oak

    d) Fruiting time of teak

    e) Reserve Forest

    f) High forest

    g) Write the botanical name of Oak

    h) IFM stands for

    i) Write down the of two fire resistance tree species.

    j) Leaf renewal season of teak

    k) Long is extracted from which part from the tree

    l) Protected forests

    m) FSI stand for

    n) Trade name of *Santalum album*

    o) Write down the family's of *palas*

2. Write short notes / define any **ten** of the following: 2×10=20

    a) Artificial regeneration of Neem

    b) Compartment

    c) Describe the regeneration of Pine

    d) Distribution of Oak

    e) Distribution of Pine

    f) Nursery technique of Sissoo

    g) Economic importance of Sissoo

    h) Flowering and Fruiting time of *Santalum album*

    i) Group selection System

    j) Nursery techniques of sal

    k) Regeneration felling

    l) Shelter wood system

    m) Tending operation

    n) The habitat of Oak

    o) Weeding

3. Write down in brief any **four** of the following:

5×4=20

a) Objective and scope of silviculture

b) Phenology, distribution and regeneration methods of Sissoo

c) Distribution, phenology, origin of *Madhuca indica*

d) Distribution, Natural and artificial regeneration techniques of *Sal*

e) Why silvicultural study is important for forest management and conservation?

f) Phenology, distribution and regeneration methods of *Leucaena leucocephala*

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