

302/FST

22-23 / 23513

**B.Sc. Semester-II Examination, 2022-23**

**FORESTRY [Honours]**

Course ID : 23513

Course Code : SH/FST/SA 1203

Course Title : Theory and Practice of Silviculture

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.*

I. Write a definition or one sentence answer any **ten** of the followings:  $1 \times 10 = 10$

1. Rotation age
2. Compartment
3. Felling series
4. Working cycle
5. Climatic factor
6. IRS stands for
7. Fire wood
8. Normal forest
9. Seeding Felling
10. Forest

11. Coup
12. Final felling
13. Frost
14. High forest
15. Grazing

II. Write short note/define any **ten** of the followings:

$2 \times 10 = 20$

1. Advantages of selection system
2. Methods of seed dispersal
3. Write down scientific names of two drought hardy tree species.
4. In what type of situation two stage coppice system will be applied?
5. Role of forest
6. Organic carbon
7. Organic accumulation
8. Biotic factor
9. Shelter belt
10. Write down the scientific names of two wind-breaker tree species.
11. Culm selection

[Turn Over]

302/FST

( 2 )

12. Advantages of alternate shelter wood system
13. Illicit felling
14. Write down the four objects of artificial regeneration.
15. Disadvantages of group selection System

III. Write down in brief any **four** of the followings:

$$5 \times 4 = 20$$

1. Discuss objects and advantages of artificial regeneration.
2. Advantages and disadvantages of clear filling system
3. Discuss the scope of silvicultural system.
4. Role of Silviculture in forestry education
5. Discuss the alternate strip shelter Wood system.
6. Advantages and disadvantages of Shelter wood Strip system

-----