

719/FST

22-23/63511

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

**FORESTRY [Honours]**

Course ID : 63511

Course Code : SH/FST/SA 3209

Course Title : Plantation Forestry

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. Silviculture operation
  2. Plantation program
  3. Write down two industrial side plantation tree species
  4. Mulching
  5. Commercial bole height
  6. Urban Plantation
  7. Sustained yield
  8. Afforestation
  9. Annual increment
  10. Social forestry

11. Write down example of two tree species used in plywood industry
12. Indigenous plants
13. Write down the botanical name of two fuel wood tree species
14. Stamp height
15. Rotation age

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

$2 \times 10 = 20$

1. Petro crops
2. Plywood plantations
3. Selection felling
4. Non-timber forest produces.
5. Mention botanical names of four tree species suitable for degraded land.
6. Improvement felling
7. Use of organic fertilizers in plantation
8. Short rotation plantation
9. Mention botanical names of four tree species suitable for social forestry plantation
10. Coppice forest

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11. Working plan
12. Group selection system
13. Write down the two suitable tree species for plywood industry
14. Mention botanical names of four tree species suitable for degraded land of Bankura
15. Commercial forestry

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

$5 \times 4 = 20$

1. What is tending operation? Describe its role for plantation growth and development.
2. How plantations as potential carbon sinks?
3. Describe the role of economic factors in plantation development.
4. Site quality evaluation concept in plantations.
5. Role of plantation to maintain sustainability of forest.
6. Importance of high density short rotation plantations for social forestry program.

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