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Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. Agriculture (2014 & Onwards) (Sem.-7)

PRODUCTION TECHNOLOGY OF ECONOMIC FOREST TREES

Subject Code : BSAG-CS 706

M.Code : 74833

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A**1. Write briefly :**

- a) Scope of agroforestry in Punjab
- b) Scope of forestry education in India
- c) Productive role of trees
- d) Status of Indian forests
- e) Canopy architecture
- f) Indirect benefits of plantations
- g) Enlist major constraints in undertaking forest tree improvement
- h) Non-leguminous nitrogen fixing trees
- i) Differentiate between thinning and pruning
- j) Green Punjab Mission



SECTION-B

2. What do you mean by the term 'Wood Based Industries'? What are the major wood based industries. Discuss the challenges before wood based industries of India.
3. What do you understand by the term tending operation and how they are different than cultural operations?
4. Define Wastelands. Write the processes and examples of land degradation in India? Discuss wasteland management.
5. Write the origin, evolution and structure of 'JFM'. What is the need of JFM micro-planning? Discuss the extent and recent policy challenges in JFM.
6. What are the causes of 'Forest Fires'? Discuss damage caused by forest fires and measures to control it.

SECTION-C

7. What are the implications of agroforestry in Punjab agricultural? Give suitable examples of different agroforestry models practiced in Punjab. Explain with examples the complimentary, supplementary and competitive interaction in agroforestry system.
8. Give the scientific name, distribution, phenology, propagation and uses of :
 - a) *Acacia nilotica*
 - b) *Meliacomposita*
 - c) *Tectonagrandis*
 - d) *Pinus roxburghii*
 - e) *Dalbergia sissoo*
9. Explain the causes of plantations failure, give examples? What were the draw backs of social forestry programme? What was the impact of social forestry on the socio-economic status of the farmers?

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.