

U-54/2061

FOR 101
Introductory Forestry

5934/ML

Time : 3 hrs

Max. Marks: 45

Section A

Attempt any two questions

- Q 1. Define silvics and silviculture. What are the objectives of silviculture and its relationship to other branches of forestry? (9)
- Q 2. Discuss various types of tending operation in detail. (9)
- Q 3. What factors are responsible for successful regeneration of forests? What are the objectives of artificial regeneration? (9)
- Q 4. Discuss various objectives and strategies of National Forest Policy 1988. (9)

Section B

Attempt any two questions

- Q 5. Discuss the methodology of measurement of tree height with instruments. Write the principle on which these instruments work (9)
- Q 6. Define form factor and form quotient. How you will measure the volume of standing tree? (9)
- Q 7. Write brief notes on following (9)
- i) Shifting cultivation
 - ii) Taungya cultivation
 - iii) Home gardens
- Q 8. Write in detail about the nursery and field cultivation practices of poplar (9)

Section C

(9x1=9)

Attempt all the questions.

- Q 9. What is the relationship between diameter and girth?
- Q 10. Name the state tree of Punjab.
- Q 11. International year of forest was celebrated in the year:
a) 2010 b) 2011 c) 2008 d) 2006
- Q 12. Thinning in which the trees to be cut are selected by some thumb rule is called:
a) Advance thinning b) Free thinning
c) Maximum thinning d) Mechanical thinning
- Q 13. Maximum area of forest type in India is under:
a) Tropical dry deciduous b) Tropical wet evergreen
c) Tropical moist deciduous d) Montane wet temperate
- Q 14. Jhuming refers to :
a) Shifting cultivation b) Alley cropping
c) Multipurpose wood lots d) None of these
- Q 15. is the one of the most widely planted agroforestry tree species of Punjab.
- Q 16. Name the instruments used for measuring age of a tree.
- Q 17. Open forests have crown density of per cent.