

[2]

3. Write short notes on the following (*any five*):

5×2=10

a) Crown length

b) Wind break

c) Coppicing

d) Shifting cultivation

e) Quarter girth formula

f) Alley cropping

g) Tending operations

h) Temporal arrangement of crops in agroforestry

B.Sc. (Honours) Agriculture Semester-I Examination, 2018

Course No: AGR-112

(Introduction to Forestry)

Part - II

(Descriptive Type)

Time : 90 Minutes

Full marks : 30

Questions are of value as indicated in the margin

Answer any three questions.

3. Define artificial regeneration. What are the factors affecting the choice between artificial regeneration over natural regeneration? What are the factors affecting natural regeneration by coppice? 2+4+4=10
 4. Define DBH. What are the standard rules for measuring diameter at breast height of trees? What are the formulae used for estimating the volume of tree logs? 2+4+4=10
 5. Define forestry. What are the objectives of silviculture? Briefly describe about the crown classification? 2+3+5=10
 6. What is the importance of taungya system in agroforestry? What are the characteristics and benefits of home garden? Elaborate the structure of shelterbelt with skeletal diagram. 2+4+4=10
 7. Describe non-instrumental methods used for height measurement of trees. Define form factor, form height, form quotient and volume table. 6+4=10
-