



KERALA AGRICULTURAL UNIVERSITY
B.Sc (Hons) Forestry 2016 Admission
VI Semester Final Examination-June 2019

Narm.3211

Forest Inventory and Yield Prediction (1+1)

Marks: 50
Time: 2 hours
(10x1=10)

I Fill up the blanks

- 1 Vertical Point Sampling was developed by (Scientist) _____.
- 2 _____ is the distribution and representation of age and /or size classes of trees in stand.
- 3 _____ is a measure of relative completeness of canopy.
- 4 Vertical point sampling measures mean stand _____.
- 5 _____ is a measure of the value of an angle expressed as its Sine .
- 6 Site index is a term to explain the relationship of _____ in forest stands.
- 7 Sampling _____ is the ratio of sample to the whole population.
- 8 _____ enumeration means that the enumeration is to be done only in a representative portion of the whole forest.
- 9 _____ is making a list of samplings units along with their measure of size in any order.
- 10 _____ is choosing samples according to the subjective judgment of the observer.

II Write Short notes on any FIVE of the following

(5x2=10)

- 1 Differentiate stand density and stocking.
- 2 Difference between multistage and multiphase sampling.
- 3 Reineke's stand density index.
- 4 Advantages of sample enumeration.
- 5 Difference between Horizontal_y/s Vertical point sampling.
- 6 Growth of stand.
- 7 Crown competition factor.

III Answer any FIVE of the following.

(5x4=20)

- 1 Points to be considered in choosing stand density index.
- 2 Forest inventory, objectives and kinds of enumeration.
- 3 Application and use of yield tables.
- 4 Different methods of predicting future growth of stands.
- 5 Site quality and different methods of estimation.
- 6 Yield table and its kinds.
- 7 Inventory designs used in India.

IV Answer any ONE of the following

(1x10=10)

- 1 Point sampling
- 2 Stand table- its preparation and uses.
