



**KERALA AGRICULTURAL UNIVERSITY**

**B. Sc (Hons) Forestry 2016 Admission**

**VI Semester Final Examination-June 2019**

**Safo.3211**

**Plantation Forestry (2+1)**

**Marks: 50**

**Time: 2 hours**

**(10x1=10)**

**I Fill up the blanks**

- 1 Raising the forest crops artificially either by sowing or direct plantation or seedling by artificially or manmade is refers to -----
- 2 In ----- the first teak plantations were established in the Nilambur hills.
- 3 ----- in which fertilization is precisely matched to a site's soil and weather conditions.

**Choose the correct answer**

- 4 The plantation design depends on  
a) Shape            b) layout            c) line of communication            d) all the above
- 5 Objects of railway line planting are mainly  
a) Protect against erosion            b) Avoid water logging  
c) both a and b            d) none of these

**Match the following**

- |                       |                      |
|-----------------------|----------------------|
| 6 Fuelwood            | a) 1790              |
| 7 Roadside plantation | b) Harvesting method |
| 8 Teak                | c) Ficus spp         |
| 9 Lopping             | d) Calorific value   |
| 10 Eucalytus          | e) 1680              |

**II Write Short notes on any FIVE of the following**

**(5x2=10)**

- 1 Industrial plantation.
- 2 TBOs of potential value.
- 3 Environmental plantation.
- 4 Objectives of canal side planting.
- 5 Petro crop.
- 6 Plantation Forestry.
- 7 Silvicultural system.

**III Answer any FIVE of the following.**

**(5x4=20)**

- 1 Industrial plantation models.
- 2 Indigenous and exotic species.
- 3 Mechanizations in forestry operations.
- 4 Energy plantations.
- 5 Any five types of plantations.
- 6 Carbon sequestration.
- 7 Clonal plantations.

**IV Answer any ONE of the following**

**(1x10=10)**

- 1 Thinning, concept of thinning, thinning schedules, kinds of thinning.
- 2 Factors influencing forest product quality and value. Effects of rotation length on product quality. Ways of choosing rotation length, risks.

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