



**KERALA AGRICULTURAL UNIVERSITY**  
**B.Sc.(Hons) Forestry 2015 Admission**  
**VI Semester Final Examination- July 2018**

**Plantation Forestry (1+1)**

**Marks: 50**  
**Time: 2 hours**

**(10x1=10)**

**I Choose the Correct Answer**

- 1 Stem exclusion stage is also called as
  - a) Reorganisation phase
  - b) Aggradations phase
  - c) Transition phase
  - d) steady-state phase
- 2 Indicator of site quality
  - a) Height
  - b) Diameter
  - c) Indicator Species
  - d) All the above
- 3 The best season for site preparation before tree plantation
  - a) Spring
  - c) Autumn
  - b) Winter
  - d) Summer
- 4 The tending operation carried out to reduce the competition during the volume increment of tree
  - a) Pruning
  - c) Thinning
  - b) Improvement felling
  - d) Weeding and Cleaning
- 5 The practices of nutrients, where all sources of nutrients namely organic, inorganic and bio fertilisers for sustainable yield of trees .
  - a) IPM
  - c) INM
  - b) IPNM
  - d) None of these

**Match the following**

- |                             |   |                             |
|-----------------------------|---|-----------------------------|
| 6 Plywood plantation        | - | <i>Tectona grandis</i>      |
| 7 Matchwood plantation      | - | <i>Melia dubia</i>          |
| 8 Paper and pulp plantation | - | <i>Acacia nilotica</i>      |
| 9 Canal plantation          | - | <i>Leucana leucocephala</i> |
| 10 Tannin                   | - | <i>Ailanthus triphysa</i>   |

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

**(5x2=10)**

- 1 Site quality
- 2 Stand dynamics
- 3 Petro crops
- 4 Singling
- 5 Plywood and list out the tree species used for it?
- 6 Objectives of railway line planting
- 7 Carbon sequestration

**P.T.O**

- III**      **Answer any FIVE of the following.**      **(5x4=20)**
- 1 National and regional plantation planning
  - 2 Difference between exotics v/s indigenous species
  - 3 Energy plantation and its advantages
  - 4 Pruning and its types
  - 5 Explain about weed control and its methods
  - 6 Resins and turpentine plantations
  - 7 Canal Plantation

- IV**      **Write an essay on any ONE of the following**      **(1x10=10)**
- 1 Explain thinning, effect of thinning and kinds of thinning.
  - 2 Maintenance of plantations

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