

# KERALA AGRICULTURAL UNIVERSITY

B.Sc( Hons.) Forestry. 2012 Admission  
VI<sup>th</sup> Semester Final Examination- July -2015

Cut. No: Safo.3213

Title: Plantation forestry (1+1)

Marks: 80

Time: 3 hours

## I. Fill up the blanks/ State True or False/ Define

(10 x 1 = 10)

### Fill up the blanks

1. \_\_\_\_\_ is an important tree species widely used for plantation forestry in North India
2. The first teak plantation in India was established in Nilambur in \_\_\_\_\_.
3. \_\_\_\_\_ is an example for petrocrop
4. The most efficient shape of a plantation is \_\_\_\_\_

### State True or False

5. CDM stands for Central Development Mechanism
6. Casuarina MTP2 is a variety released by TNAU
7. Thinning in which trees are to be cut following some thumb rule is termed as crown thinning
8. *Ailanthus triphysa* is suitable for manufacture of matchsplints

### Define

9. Pruning
10. Exotic

## II. Write short notes on ANY TEN

(10 x 3 = 30)

1. Plantation timetable
2. Nilambur teak plantations
3. Canal plantations
4. Use of fertilizers in plantations
5. Carbon sequestration
6. Thinning schedule
7. Factors governing the choice of species in plantation forestry
8. Intensive forest management
9. Petro-crops
10. List two species each for paper, matchsplint and plywood manufacture
11. Clonal forestry
12. Assessment of site quality

**III. Write short essays on ANY SIX of the following**

**(6 x 5 = 30)**

1. Role of plantations in industrial forestry
2. General planting rules
3. High density short rotation plantations
4. Planting patterns
5. Energy plantations
6. Symptoms of nutrient deficiencies in plantations
7. Exotics versus Indigenous species
8. Role of CDM in plantation forestry

**IV. Write essay on ANYONE**

**(1 x 10 = 10)**

1. Development and management of clonal plantations with suitable success stories
2. Explain the scope and importance of plantation forestry with particular reference to the tropics