

KERALA AGRICULTURAL UNIVERSITY

B.Sc (Hons.) Forestry Degree Programme 2013 Admission

VIth Semester Final Examination-July 2016

Cat. No: Safo.3213

Marks: 50.00

Title: Plantation Forestry (1+1)

Time: 2 hours

I Fill up the blanks

(10 x 1 =10)

1. The Eucalyptus were introduced at Nandhi hills near Mysore during _____
2. The chemical which has been widely used for killing trees is _____
3. Mechanical clearance of vegetative cover is usually done by _____
4. _____ industry is one of the oldest wood-based industries in India

State True or False

5. Plantations are usually of regular shape with fixed and clearly defined boundaries
6. Aerial application of fertilizer is only worthwhile for large areas and where full service facilities are available
7. The most significant advantage with plywood is that it possesses dimensional stability
8. Among the fruit tans ,myrobalans and particularly the fruit of *Terminalia chebula* is important

Define

9. Exotics
10. Stocking

II Write short notes ANY FIVE

(5 x 2 =10)

1. Pre planting survey
2. The need for weed control in plantations
3. Timing of fertilizer application for a stand
4. Negative effects of thinning
5. Physical rotation
6. Planting patterns
7. Early history of teak plantations

III. Explain ANY FIVE of the following

(5 x 4 =20)

1. Plantation characteristics
2. National land use policies
3. Weed control methods for forest plantations
4. Alternative methods for maintaining soil fertility without using mineral fertilizer
5. Factors affecting rotation length
6. Technological fitness of the pulp wood species for paper and pulp industries
7. Objects of road side planting

IV. Write essay on ANY ONE

(1 x 10=10)

1. Economic factors of plantation development
2. Effects of thinning and kinds of thinning

IV. Write essay on any ONE

(1x 10=10)

1. What is symbiosis? Explain in detail about the various types of interactions among organism.
2. What are the major ecosystems of the world and give a detailed account of aquatic ecosystem.
