

# KERALA AGRICULTURAL UNIVERSITY

B.Sc (Hons.) Forestry. 2013 Admission  
III<sup>rd</sup> Semester Final Examination- March-2015

Cat. No: Safo.2106

Title: Silviculture of Indian trees (1+1)

Marks: 50

Time: 2 hours

I) Choose the correct answer

(10 x 1=10)

1. The common name of *Acacia catechu* is  
a) Silver wattle b) Cutch tree c) Lal Khill d) Ivory Acacia
2. The fruit of *Gmelina orborea* is a  
a) Drupe b) Berry c) Legume d) Capsule
3. *Vateria indica* is a source of  
a) White dammer b) Black dammer c) Rock dammer d) True dammar
4. *Pterocarpus santaliensis* is native of  
a) Kerala b) Andra Pradesh c) Anadaman and Nicobar island d) None of these
5. *Vitex nigundo* belongs to the family  
a) Fabaceae b) Combretaceae c) Verbanaceae d) None of these
6. The common name of *Terminalia chebula*  
a) Anjan tree b) Myrabolon tree c) Beef wood tree d) None of these
7. The seed of which species is recalcitrant  
a) *Acacia nilotica* b) *Azadirachta indica* c) *Tectogona grandis* d) *Albizia lebeck*
8. Normal spacing followed for teak in India is  
a) 2 M x 1M b) 2 M x 2 M c) 3 M x 3M d) None of these
9. *Adina cardifolia* is  
a) Ever green tree b) Decidious tree c) Phyllodinous tree d) All of these
10. Natural regeneration of Rose wood takes place through  
a) Seeds b) Root suckers c) Coppices d) All of these

II Write short notes on any FIVE

(5 x 2=10)

1. List the important species having recalcitrant seeds
2. List the important species of Canes
3. Discuss the Importance of sandal oil
4. List out the advantages and disadvantages of seed dormancy
5. Phenology of *Artocarpus hirsutus*
6. Explain the artificial regeneration
7. List out the objectives of seed collection

**III Write short essays on any FIVE of the following**

(5 x 4 =20)

1. Origin and distribution of red sanders
2. Growth and yield of *Dalbergia latifloia*
3. Uses of Bamboo
4. Silvicultural characteristics of *Prosopis julifloia*
5. Management of sandal spike disease
6. Natural regeneration of Babul
7. Natural and artificial regeneration in *Shorea robusta*

**IV Write essay on ANY ONE**

(1 x 10=10)

1. Explain the seed collection ,processing ,storage and nursery techniques of *Gmelina orborea*
2. Describe the stump preparation ,planting and management strategies in teak

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