



KERALA AGRICULTURAL UNIVERSITY
B.Sc.(Hons).Forestry 2016 Admission
IV Semester Final Examination- July 2018

Safo.2207

Silviculture of Indian Trees (2+1)

Marks: 50
Time:2 hours

1 Fill up the blanks **(10x1=10)**

- 1 *Hyblea puera* is major insect of -----tree crop
- 2 Pink disease is recorded in-----
- 3 Mature Neem tree produces average _____ kg seed per year
- 4 Australian Acacias are commonly known as.
- 5 -----tree species a hemi root parasite.

State whether the following statements are true or false

- 5 Flower of *Casuarina equisetifolia* are bisexual and are arranged in spikes.
- 6 *Bombax ceiba* is one associate along the Sub-Himalayan tract of *Dalbergia latifolia*.
- 7 Tannin is produced from *Terminalia chebula*.
- 8 Vivipary is observed in some species of *Quercus*
- 9 *Embllica officinalis* provide fruit tans and medicinal products.
- 10 Flower of *Casuarina equisetifolia* are bisexual and are arranged in spikes.

II Write short notes/answers etc on ANY FIVE **(5x2=10)**

- 1 Give names of five tropical pines introduced in India and write their distribution.
- 2 Importance of *Ailanthus triphysa* plantations in Kerala
- 3 Write general silvicultural character of *Santalum album*
- 4 Write short note on *Populus* spp
- 5 Write silvicultural character of *Pinus roxburgii*
- 6 Write short note on *Melia dubia*
- 7 Write short note on *Quercus* spp.

III Answer any FIVE of the following. **(5x4=20)**

- 1 Write economic importance and silviultural characteristics of *Artocarpus heterophyllus* and *A. hirsutus*
- 2 Explain clump management practices and extraction-felling rules in bamboo.
- 3 Write general silviculture of *Anogeissus latifolia* and *Pongamia pinnata*
- 4 Write general silviculture of *Terminalia tomentosa* and *T. bllerica*
- 5 Economic importance of Eucalypts and *Casuarina equisetifolia*
- 6 Importance of *Leucaena leucocephala* and *Grevillea robusta*
- 7 Write general silviculture of *Abies pindrow* and *Picea smithiana*

IV Write an essay on any ONE of the following **(1x10=10)**

- 1 Write in details about distribution habitat, silvicultural characteristics, regeneration, silvicultural system, thinning cycles and growing stock assessment of Teak and (*Tectona grandis*)
- 2 Write in details about distribution habitat, silvicultural characterstics, regeneration, silvicultural system, stand management practices and growing stock assessment of Sal (*Shorea robusta*)
