



KERALA AGRICULTURAL UNIVERSITY

B.Sc.(Hons).Forestry 2016 Admission

IV Semester Final Examination-July 2018

Fbti 2206

Medicinal And Aromatic Plants (1+1)

Marks: 50

Time:2 hours

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

- 1 _____ is rightly called as Father of Indian Ethnobotanical Studies.
- 2 *Terminalia bellirica* is propagated generally by _____.
- 3 Economically important plant part of *Adhatoda zeylanica* is _____.
- 4 _____ variety of senna developed by CIMAP (Lucknow) is recommended for North Indian Plains.
- 5 The botanical name of Japanese Mint is _____.
- 6 *Stereospermum colais* is commonly used in Ayurvedic preparation called as _____.
- 7 *Costus speciosus* belongs to _____ family.
- 8 *Sida cordifolia* oil is one of the best remedy to cure _____.
- 9 Sarpagandha can be best grown in _____.
- 10 For large scale plantations, *Gmelina arborea* is best propagated by _____.

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

- 1 Define Ethnobotany. Enlist scope of ethno botanical studies.
- 2 Enlist various methods of extraction of essential oils.
- 3 In brief, write family and botanical description of *Dioscorea* spp.
- 4 Write about propagation material, climate and soil requirements of *Solanum* spp.
- 5 Mention medicinal uses of *Aconitum* spp.
- 6 Enlist medicinal / therapeutic uses of *Tinospora cordifolia*.
- 7 Write active principles, family and medicinal uses of *Strychnos nux – vomica* / *Strychnos potatorum*.

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

- 1 Describe economically important plant part, medicinal uses, mode of propagation and Nursery raising of *Phyllanthus emblica*.
- 2 Write geographical distribution, chemical constituents and medicinal uses of *Atropa belladonna* / *Atropa acuminata*.
- 3 Describe geographical distribution and natural regeneration of *Terminalia chebula*.
- 4 Write medicinal uses, chemical constituents and mode of propagation for *Cinchona* spp.
- 5 Mention medicinal uses, Soil & climatic requirements and planting for *Costus speciosus*.
- 6 Describe *Digitalis purpurea* / *Digitalis lanata* in context to its active principles, medicinal uses and nursery raising.

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- 7 Write in detail about medicinal uses and chemical constituents of Senna. Also write its mode of propagation and economically important plant part.

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

- 1 In detail describe agro technique (Soil & Climate, Land preparation, Planting, Manures & Fertilizers, Irrigation and Harvesting & storage) of *Acorus* spp.
- 2 Enlist various botanical sources of essential oils with a note on their active principles.
