

KERALA AGRICULTURAL UNIVERSITY

B.Sc Hons (Ag) 2010 Admission

VIth Semester Final Examination- July /August -2013

Cat. No: Hort.3206

Title: Spices and medicinal plants (1+1)

Marks: 80

Time: 3 hours

I a) Fill up the blanks

(10 x 1=10)

1. _____ is the economic part in Nutmeg
2. Rasmi is a variety of _____
3. Suruchi is a variety of _____
4. _____ are the active principles present in Digitalis
5. Fruiting branches in pepper is otherwise known as _____

b) Give one word answer

6. What are "vazhukka" cardamoms
7. Name the plant drug obtained from rauwolfia
8. Write the essential oil content of geranium

c) State true or false

9. Sandal oil is extracted from sap wood
10. Patchouli is grown as an inter group in coconut and arecanut plantations

II Write short notes on ANY TEN

(10 x 3=30)

1. List the important herbal spices
2. Differentiate between *Plumbago rosea* and *P. zeylanica*
3. Propagation in clove
4. Seed rhizome preservation techniques of turmeric
5. Sex in nutmeg
6. Post harvest handling of Japanese mint
7. Lancing and latex collection in opium
8. Harvesting of senna
9. Importance of essential oil yielding plants
10. Conservation programmes in medicinal plants

11. Varietal wealth of lemon grass

12. Artificial pollination in vanilla

III Write short essays on ANY SIX of the following (6 x5=30)

1. Explain the production technology of ginger
2. Discuss the varietal wealth and nursery techniques of cardamom
3. Importance of medicinal yam and constraints in its cultivation
4. Explain the production technology of Acorus
5. Write about the medicinal properties and importance of kacholam
6. Explain the essential oil extraction procedure of Jasmine
7. Explain the cultivation details of Ocimum
8. Harvesting and extraction of essential oil in geranium

IV Write essay on ANY ONE (1 x10=10)

1. Discuss about the production of quality planting material in black pepper
2. Write in detail on botany, varietal wealth and production technology menthol mint
