

KERALA AGRICULTURAL UNIVERSITY  
B.Sc. (Ag) 2006 Admission V<sup>th</sup> Semester  
Final Examination, March 2009

Hort 3106  
Spices and Medicinal Plants (1+1)

Max. Marks: 60  
Time: 2 hours

**I.a) Fill up the blanks**

( 20 x . 5 = 10)

1. Pepper variety tolerant to nematode is -----.
2. Botanically nutmeg fruit is a -----.
3. The alkaloid present in senna is -----.
4. The lemon grass grown commercially in Kerala is -----.
5. Botanical name for allspice is -----.

**b) Give the name of**

6. Ideal shade crop for pepper
7. Turmeric variety with more oil content.
8. Alkaloids present in periwinkle.
9. Senna is propagated by
10. The major content of palmarosa oil is

**c) Write true or false**

11. PV-1 cardamom is released from RRS, Mudigree.
12. There are no named varieties in nutmeg.
13. Srilanka is the largest producer of cinnamon
14. Senna is export oriented medicinal crop.
15. Periwinkle roots are used for treating cancer

**d) Choose the correct answer**

16. ICRI-2 cardamom is  
a) Malabar    b) Mysore    c) Vazhukka
17. Crop duration of senna is  
a) 1-2 month    b) 4.5 month    c) 8-10 month
18. C. Citratus is  
a) W.Indian lemon grass    b) E.Indian lemon grass    c) Jammu lemon
19. Vettiver is propagated by  
a) Slips    b) Suckers    c) Rhizomes
20. Cinnamon is propagated by  
a) Seeds    b) Cuttings    c) Grafting

**II. Define the following** ( 6 x 2 = 12)

1. Quillings
2. Spice oleoresins
3. Median in Dioscorea
4. Lancing in opium
5. Senna tea
6. Orthotropic shoot in pepper

**III. Write short notes on any SIX** ( 6 x 3 = 18)

1. Quick method of propagation of pepper
2. Processing of turmeric
3. Pollination in vanilla.
4. Varieties of coriander
5. Harvesting in senna
6. Processing of digitalis.
7. Propagation of sweet flag.
8. Processing of palmarosa

**IV. Write elaborately on any FIVE** ( 5 x 4 = 20)

1. Give an account on shade regulation and nutrient management of cardamom
2. Give the package of practices for tuberose.
3. Give an account on various aromatic grasses, their oil content and their importance.
4. Write the package of practices for Ginger.
5. Write the package of practices for senna.
6. Discuss on the scope and importance of medicinal plants with respect to export.

\*\*\*