

# KERALA AGRICULTURAL UNIVERSITY

B.Sc. Hons (Ag) 2009 admission

VI<sup>th</sup> Semester Final Examination, June /July 2012

Cat. No: Hort.3206

Title: Spices and Medicinal Plants

Marks: 80

Time: 3 hours

Answer all the questions

I Fill up the blanks

(10 x 1 =10)

1. Rajendra kranti is a variety of -----
2. Panchami is a variety released in ----- crop
3. Katte disease is spread by a vector namely-----
4. NRC seed spices situated at-----
5. Fenugreek is a potential source of -----
6. Economic part of Rauvolfia used for extraction of alkaloid is -----
7. Aromatic oil of sweet flag contains the glucosidic bitter principle known as-----
8. The yield of crude opium is -----kg/ha
9. Japanese mint is scientifically known as -----
10. For garland making -----scented rose is used

II. Write short notes/answers etc. on ANY TEN

(10 x 3 = 30)

1. Varietal achievements in Tree spices
2. Processing of turmeric
3. Role of Spice board and pepper export promotion council
4. Cultural requirement of Senna
5. Classification of spices
6. Production technology of tuberose
7. Describe the latex collection and grading followed in Opium
8. Production technology of lemon grass
9. Neem alkaloids and its uses
10. Origin, Distribution and Botanical description of periwinkle
11. Salient features of the varieties of Opium, Periwinkle and Isabgol
12. Medicinal uses of Acorus, Kaempferia and Indigofera

III. Write short essays on ANY SIX of the following

(6 x 5 = 30)

1. Discuss the varietal achievement in Pepper
2. Enumerate the constraints in spices cultivation
3. Processing of vanilla
4. Scope and importance of spices in India
5. Machineries involved in spices cultivation and processing
6. Methods of aromatic oil distillation
7. Post harvest handling of any two aromatic crops till export
8. Production technology of turmeric

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IV. Write essay on ANY ONE

(1 x 10 = 10)

1. a. Describe the climatic zones of India and suggest the spices, medicinal and aromatic crops suited for these zones.  
b. Mention the important species of mint and narrate the production technologies for any one species.
2. a. Tree spices propagation  
b. Role of IISR, NRC Seed spices and Directorate of Spices and Arecanut in Research and Development of spices