

KERALA AGRICULTURAL UNIVERSITY
B.Sc.(Hons.) Agriculture – 2007 Admission – VIth Semester
Final Examination – June - July 2010

Cat. No. : Hort 3206

Max. marks: 80

Title : Spices and Medicinal Plants (1+1)

Time : 3 hours

Answer all the questions

I Fill up the blanks

(10 x 1 = 10)

1. Black pepper is propagated by -----
2. Vishvashree is a variety of -----
3. Economic part of clove is -----
4. Coriander belongs to the family -----
5. Athira is a ----- crop variety developed by KAU
6. *Cinchona ledgeriana* has a quinine content of -----
7. ALFT-2 is a variety of ----- crop released from Gujarat Agriculture University
8. Vincristin is an alkaloid extracted from ----- crop
9. Tuberose is propagated by -----
10. ----- species of jasmine is commercially utilized for essential oil extraction

II. Write short notes/answers on ANY TEN

(10 x 3 = 30)

1. Cardamom propagation
2. Harvesting and processing of Cinnamon
3. Role of ASTA
4. Production technology of Ocimum
5. Production technology of clove
6. Rapid multiplication techniques followed in pepper
7. Production technology of ginger
8. How does jasmine oil differs from concrete? Explain the various steps involved in their extraction.
9. Vegetative propagation followed in Rauwolfia
10. Medicinal uses of Sweet flag and Dioscorea
11. Cultivation practices followed in Eucalyptus.
12. Cultural requirement of Jasminum sambac

III. Write short essays on ANY SIX of the following

(6 x 5 = 30)

1. Production and value addition in Ginger
2. Enumerate the constraints in spices cultivation
3. Machineries involved in spices cultivation and processing
4. Problems and Prospects of Medicinal plants cultivation in India
5. Cultural requirement of Plumbago and Indigofera
6. Write in detail about the cultivation practices followed for any one temperate aromatic crop
7. Scope and importance of aromatic crops in India and abroad
8. Post harvest handling of any two medicinal crops till export

PTO

IV. Write essay on ANY ONE

(1 x 10 = 10)

1. Varietal wealth of major spice and tree spices in the development of Spice industry in India-Discuss
2. Write about the biotic and abiotic factors which limits the crop production of spices, medicinal and aromatic crops