

# KERALA AGRICULTURAL UNIVERSITY

B.Sc (Hons.) Ag. 2012 Admission

VI<sup>th</sup> Semester Final Examination - July /August -2015

Cat. No: Hort.3206

Title: Spices and Medicinal plants (1+1)

Marks: 80

Time: 3 hours

## I. Fill up the blanks/Match the following/State True or False (10 x 1 = 10)

### Fill up the blanks

1. Pepper berries takes about ..... months to mature after flowering
2. .... is the active principle in clove.
3. Commercially grown important *Jasminum* species are ....., ....., ....., ..... and .....
4. Tube rose is commercially propagated by.....

### Match the following

- |                 |   |           |
|-----------------|---|-----------|
| 5. <i>Senna</i> | - | Rhizomes  |
| 6. Sweet flag   | - | Mandakini |
| 7. Citronella   | - | Laxative  |

### True or False

8. Clove is a cross pollinated crop - True/ False.
9. Costus belongs to the family Dioscoreaceae - True/False
10. Pepper is a self pollinated crop - True/False.

## II. Write short notes/answers etc. on ANY TEN (10 x 3 = 30)

1. Training and pruning in pepper.
2. IISR varieties of ginger
3. Seed rhizome storage techniques in ginger.
4. Shade regulation and mulching techniques in cardamom
5. Land preparation and planting techniques in turmeric
6. Propagation and planting techniques in Vanilla
7. Training in cinnamon
8. Parasitism in sandal
9. Active principle and its uses of Ravoifia
10. Commercial varieties of lemon grass
11. Crop management techniques in Citronella
12. Crop management techniques of Opium

**III. Write short essays on ANY SIX of the following**

**(6 x 5 = 30)**

1. Propagation, Nursery management and planting techniques in pepper
2. Planting, manuring and harvesting practices of cardamom
3. Crop management techniques in ginger.
4. Crop management techniques of vanilla.
5. Planting and aftercare in nutmeg
6. Harvesting and extraction of essential oil in Patchouli
7. Crop management techniques in Tuberose
8. Cultivation and post harvest handling techniques of *Solanum viarum*.

**IV. Write essays on ANY ONE**

**(1x 10= 10)**

1. Explain the importance, problems and prospects of spices cultivation in Kerala
2. Explain the importance, problems and prospects of medicinal and aromatic plants cultivation