

KERALA AGRICULTURAL UNIVERSITY

B.Sc (Hons.) Ag. Degree Programme 2013 Admission

VIth Semester Final Examination-August- 2016

Cat. No: Hort 3206

Title: Spices & Medicinal Plants (1+1)

Marks: 50.00

Time: 2hours

I Answer all the questions

(10 x 1 =10)

1. _____ variety of black pepper is rich in piperine.
2. Fruit of clove is known as _____
3. CDRI is _____
4. Diosgenin is obtained from _____.
5. The aril in nutmeg on drying gets converted into _____
6. Write the botanical name of Large cardamom and Cumin.

True or false

7. Opium is obtained from the roots.
8. Clove originated in Indonesia.

Choose the correct answer.

9. Digoxin is obtained from
a) Periwinkle b) Acorus c) Digitalis d) Citronella
10. PVI is a variety of
a) Ginger b) Cardamom c) Turmeric d) Vanilla

II Write short notes on ANY FIVE

(5 x 2 =10)

1. Explain the curing process in turmeric.
2. Value added products from spices.
3. Distinguish between essential oil and oleoresin.
4. Explain the morphology of vanilla flower with diagrams.
5. What are the problems faced by sandal wood cultivation in India.
6. Harvesting & processing of patchouli.
7. Lancing.

III. Explain ANY FIVE of the following

(5 x 4 =20)

1. Explain the rapid multiplication technique in black pepper.
2. Explain the harvesting, processing and grading in ginger.
3. Describe the methods of propagation in nutmeg.
4. Write the agrotechnique of *Acorus calamus*.
5. Elaborate on cultivated species of jasmine.
6. Micropropagation in spices.
7. Species of *Solanum*.

IV. Write essay on ANY ONE

(1 x 10=10)

1. Discuss the production technology of Cardamom with respect to
 - a) Varieties
 - b) Propagation
 - c) Manuring
 - d) Shade regulation.
2. Briefly describe the production technology of Vetiver & tuberose.
