

KERALA AGRICULTURAL UNIVERSITY
B.Sc (Hons.) Ag. Degree Programme 2012 & Previous Admission
VIth Semester Re- Examination-August- 2016

Cat. No: Hort 3206

Marks: 80.00

Title: Spices & Medicinal Plants (1+1)

Time: 3 hours

I Answer all the questions

(10 x 1 =10)

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

True or false

- Opium is obtained from the roots.
- Clove originated in Indonesia.

Choose the correct answer.

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

II Write short notes on ANY TEN

(10 x 3 =30)

- Explain the curing process in turmeric.
- Value added products from spices.
- Distinguish between essential oil and oleoresin.
- Explain the morphology of vanilla flower with diagrams.
- What are the problems faced by sandal wood cultivation in India.
- Harvesting & processing of patchouli.
- Lancing.
- Distinguish between Canned green pepper and Bottled green pepper.
- List out 3 seed spices with common names, botanical names and families.
- Mention two improved varieties each of ginger, turmeric and cardamom.
- Write a note on intercropping of medicinal plants in coconut gardens.
- Varieties of tuberose.

III. Explain ANY SIX of the following

(6 x 5=30)

- Explain the rapid multiplication technique in black pepper.
- 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*.
8. Tree spices .

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.
