



**KERALA AGRICULTURAL UNIVERSITY**  
**B.Sc. (Hons.) Ag. 2017 admission**  
**IV Semester Final Examination-August-2019**

Hort.2203

**Production Technology for Spices, Medicinal and aromatic plants**  
**(2+1)**

**Marks: 50**

**Time: 2 hours**

**I Fill in the blanks** **(10x1=10)**

- 1 Saffron belongs to ..... family.
- 2 Colour pigment present in turmeric is.....
- 3 The major economic part of Guggul used is.....
- 4 Nirmal is a variety of.....
- 5 CIMAP is located at.....

**Match the following**

A	B
6 Allspice	a unopened flower bud
7 Cardamom	b Immature dried fruit
8 Vanilla	c Queen of spices
9 Tamarind	d artificial pollination
10 Clove	e tartaric acid

**II Write short notes on ANY FIVE of the following** **(5x2=10)**

- 1 Classification of aromatic crop on the basis of economic part used.
- 2 Soil and climatic requirement of sweet flag.
- 3 Role of Spices board.
- 4 Grading in Ashwagandha roots.
- 5 Mention the varieties of opium poppy.
- 6 Medicinal uses of periwinkle.
- 7 Define absolute and concrete.

**III Answer ANY FIVE of the following** **(5x4=20)**

- 1 Difference between *Cassia angustifolia* and *Cassia acutifolia*.
- 2 Rapid multiplication in black pepper.
- 3 Processing in turmeric.
- 4 Future prospects and constraints in medicinal crops.
- 5 Classification of medicinal plants based on economic parts with two examples each.
- 6 List 4 aromatic grasses with scientific name, family and active principle.
- 7 List out the important species of mint and explain them briefly.

**IV Write an essay on ANY ONE of the following** **(1x10=10)**

- 1 Production technology of sandal wood.
- 2 Discuss in detail about the importance, present status, future prospects and constraints in cultivation of spice crops in India.

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