

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE  
SEMESTER END EXAMINATION

B.Sc. (Agri.)

Semester : IV (Old)	Term : II	Academic Year : 2017-18
Course No. : HORT 243	Title : Production Technology of Spices, Aromatics, Medicinal and Plantation Crops	
Credits : 2 (1+1)		
Day & Date : Friday, 04.05.2018	Time : 14.00 to 16.00	Total Marks : 40

- Note :
1. Solve ANY EIGHT questions from SECTION "A".
  2. All questions from SECTION "B" are compulsory.
  3. All questions carry equal marks.
  4. Draw neat diagrams wherever necessary.

SECTION "A"

- Q.1 Define Spices. Write in short about the importance of spices cultivation in India.
- Q.2 Discuss about cultivation of *plantago ovate* (Isabgol) on following points.
- a) Medicinal use
  - b) Soil and Climate
  - c) Planting season and Seed rate/ha
  - d) Varieties
- Q.3 Describe the cultivation of turmeric on following points.
- a) Propagation and planting
  - b) Varieties
  - c) Harvesting and yield
  - d) Curing and polishing
- Q.4 Describe in brief the cultivation of coffee on following points.
- a) Soil and Climatic requirement
  - b) Propagation and planting
  - c) Varieties
  - d) Processing
- Q.5 Write cultivation practices of citronella grass on following points.
- a) Soil and Climate
  - b) Propagation and planting
  - c) Varieties
  - d) Harvesting and yield
- Q.6 Discuss the cultivation of black pepper on following aspects.
- a) Soil and Climate
  - b) Propagation and planting
  - c) Varieties
  - d) Harvesting and yield
- Q.7 Describe the cultivation of dioscoria on following points.
- a) Medicinal uses
  - b) Propagation
  - c) Planting season and spacing
  - d) Harvesting
- Q.8 Describe the cultivation of cashewnut on following points.
- a) Soil and Climate
  - b) Propagation and planting
  - c) Varieties
  - d) Harvesting and yield
- Q.9 Give the information pertaining to vetiver on following points.
- a) Propagation
  - b) Improved varieties
  - c) Planting season and spacing
  - d) Harvesting and yield

(P.T.O.)

Q.10 Write short notes (Any Two).

- a) Medicinal uses of Senna
- b) Harvesting and processing of Cardamom
- c) Trailing methods in Betel vine

**SECTION "B"**

Q.11 Fill in the blanks.

- 1) The National Research Centre for seed spices is located at \_\_\_\_\_.
- 2) *Rauvolfia serpentina* is propagated by vegetative means \_\_\_\_\_.
- 3) \_\_\_\_\_ is a shell-less fruit bearing variety of oil palm.
- 4) Pragati and CKP-25 are the improved varieties of \_\_\_\_\_.

Q.12 Match the following pairs.

**"A"**

- 1) Tea
- 2) Palmarosa
- 3) Opium poppy
- 4) Fenugreek

**"B"**

- a) Morphine
- b) Geraniol
- c) Caffeine
- d) Sapogenin

