

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END EXAMINATION

B.Sc. (Agri.)

Semester : IV (Old)	Term : II	Academic Year : 2018-19
Course No. : HORT 243	Title : Production Technology of spices, Aromatic, Medicinal and Plantation Crops	
Credits : 2 (1+1)		
Day & Date : Thursday, 09.05.2019	Time : 09.00 to 11.00	Total Marks : 40

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

SECTION "A"

- Q.1 Explain importance of medicinal and plantation crops.
- Q.2 Classify medicinal plants on the basis of plant part used for commercial formulation.
- Q.3 Discuss in detail cultivation of Ginger on the following points.
- a) Soil and climate
 - b) Propagation and planting
 - c) Manures and fertilizers
 - d) Harvesting and yield
- Q.4 Write cultivation of Coconut on following aspects.
- a) Soil and climate
 - b) Raising of seedlings and varieties
 - c) Manures and fertilizers
 - d) Harvesting and yield
- Q.5 Describe cultivation of Lemon grass on following points.
- a) Soil and climate
 - b) Propagation and planting
 - c) Varieties
 - d) Harvesting and yield
- Q.6 Write short notes (Any Two).
- a) Protection, training and pruning in black pepper
 - b) Latex collection of opium poppy
 - c) Processing of coffee
- Q.7 Discuss cultivation of Isabgol in respect of soil, climate, manuring, irrigation, harvesting, yield and one pest with control measure.
- Q.8 Furnish information on cultivation of Cinnamon on the following aspects.
- a) Uses
 - b) Soil and climate
 - c) Varieties
 - d) Harvesting and processing
- Q.9 Give information on.
- a) Lowering down in betel vine
 - b) Gum tapping in guggul

(P.T.O.)

Q.10 Describe the cultivation of Korphad (Aloe) on following points.

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|---------------------|-----------------------------|
| a) Soil and climate | b) Propagation and planting |
| c) Manuring | d) Harvesting and yield |

SECTION "B"

Q.11 Match the following pairs.

'A'

- 1) Hemanti
- 2) Vincristine
- 3) VTLAH
- 4) Triphala

'B'

- a) *Areca catechu* L.
- b) *Terminalia chebulla*
- c) *Pelargonium graveolens*
- d) *Catharanthus roseus*

Q.12 Do as directed.

- 1) Where Directorate of Medicinal and Aromatic Plants Research is located?
- 2) State names of different parts of cashew nut fruit.
- 3) Which parts of nutmeg fruits are commercially used?
- 4) State the name of sweetener extracted from the plant of *Stevia rebaudiana*.

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