

**MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE**  
**SEMESTER END EXAMINATION**

**B.Sc. (Agri.)**

<b>Semester</b> : IV (New)	<b>Term</b> : II	<b>Academic Year</b> : 2015-16
<b>Course No.</b> : HORT 243	<b>Title</b> : Production Technology of Spices, Aromatics, Medicinal and Plantation Crops	
<b>Credits</b> : 2 (1+1)		
<b>Day &amp; Date</b> : Saturday, 30.04.2016	<b>Time</b> : 14.00 to 16.00	<b>Total Marks</b> : 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 Describe in brief the cultivation of arecanut on following points.
- 1) Soil and climate
  - 2) Varieties
  - 3) Harvesting and yield
  - 4) Processing and uses
- Q.2 Discuss in brief importance and scope for commercial cultivation of spices, aromatic, medicinal and plantation crops in India.
- Q.3 Write in detail cultivation of cashewnut on the following points.
- 1) Soil and climate
  - 2) Propagation and planting
  - 3) Varieties
  - 4) Harvesting and yield
- Q.4 Describe in short lemon grass cultivation on following points.
- 1) Family and botanical name
  - 2) Uses
  - 3) Important varieties
  - 4) Harvesting and yield
- Q.5 Comment on following (Any two).
- 1) Preparation of cherry coffee
  - 2) Selection of coconut seedling for planting
  - 3) Rejuvenation in cashew
- Q.6 Write in short medicinal uses of following crops.
- 1) Geranium
  - 2) Aloe vera
  - 3) Periwinkle
  - 4) Senna
- Q.7 Write in detail cultivation of ginger on the following points.
- 1) Propagation and planting
  - 2) Varieties
  - 3) Harvesting and yield
  - 4) Curing
- Q.8 Write short notes on (Any two).
- 1) Selection of mother palm in coconut
  - 2) Harvesting and processing of cinnamon
  - 3) Processing of white pepper

**(P.T.O.)**

Q.9 Write in detail cultivation of nutmeg on the following points.

- 1) Soil and climate
- 2) Propagation and planting method
- 3) Varieties
- 4) Plant part used

Q.10 Complete the following table with correct information

Sr. No.	Crop	Botanical name	Common method of propagation	Planting distance	Yield/ha
1	Rauwolfia				
2	Turmeric				

**SECTION "B"**

Q.11 Match the following pairs.

**"A"**

- 1) Cumin
- 2) Betel vine
- 3) Tea
- 4) Toddy

**"B"**

- a) Coconut
- b) *Camellia sinensis*
- c) Seed spices
- d) Creeper

Q.12 Fill in the blanks.

- 1) The steroid diosgenin is extracted from \_\_\_\_\_.
- 2) On the basis of sex form, nutmeg is \_\_\_\_\_ crop.
- 3) Cardamom is known as \_\_\_\_\_ of spices.
- 4) Periwinkle belongs to the family \_\_\_\_\_.

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