

**PARUL UNIVERSITY**  
**COLLEGE OF AGRICULTURE**  
**B.Sc. (Hons.) Agriculture, 2019-20 Examination**

**Semester: 4**  
**Subject Code: 20108251**  
**Subject Name: Production technology of spices,**  
**Aromatics, medicinal and plantation crops**

**Date: 28/11/2019**  
**Time: 02:00pm to 04:30pm**  
**Total Marks: 60**

**Instructions**

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

**Q.1 Do as Directed.****A. Fill in the blanks. (Each of 1.0 marks)****(10)**

1. \_\_\_\_\_ is a tree spice.
2. Edible part of coconut is \_\_\_\_\_.
3. \_\_\_\_\_ is the largest producer of ginger.
4. \_\_\_\_\_ is known as king of spices.
5. \_\_\_\_\_ belongs to family Lauraceae.
6. \_\_\_\_\_ is known as the land of spices.
7. \_\_\_\_\_ is a by-product of coconut.
8. \_\_\_\_\_ has largest area under spices in India.
9. Full form of IISR is \_\_\_\_\_.
10. \_\_\_\_\_ is aril spice.

**B. Multiple choice type questions. (Each of 1.0 mark)****(10)**

1. Which of the following country is origin of Clove?
 

a) India	c) Indonesia
b) America	d) Indo-burma
2. Central Coffee Research Institute is located in \_\_\_\_\_.
 

a) Gujarat	c) West bengal
b) Tamil Nadu	d) Karnataka
3. Guggal plant propagates commercially by \_\_\_\_\_.
 

a) Stem cuttings	c) Grafting
b) Budding	d) None
4. Which of the following country is origin of Vanilla ?
 

a) India	c) Indonesia
b) America	d) Indo-burma
5. In which crop the leaves are not economical part ?
 

a) Citronella	c) Lemon grass
b) Vetiver	d) Palmarosa
6. In which plantation crop pruning is required ?
 

a) Cocoa	c) Oil palm
b) Arecanut	d) Cashewnut
7. To which family Periwinkle belongs ?
 

a) Apocyanaceae	c) Malvaceae
b) Rosaceae	d) Solanaceae
8. Vengurla-4 is a variety of which crop ?
 

a) Arecanut	c) Coconut
b) Cashewnut	d) Oil palm
9. Black pepper starts yielding after \_\_\_\_\_.
 

a) 2 <sup>nd</sup> year	c) 3 <sup>rd</sup> year
b) 1 <sup>st</sup> year	d) 4 <sup>th</sup> year
10. Which part of plant use in cinnanmon ?
 

a) Bark	c) Rhizome
b) Fruit	d) Unopened flower bud

**Q.2 Do as Directed.**

**A. Define the following. (Any five)**

**(05)**

1. Aromatic plants
2. Spices
3. Weeding
4. Shelling
5. Plantation crops
6. Curing
7. Medicinal plants

**B. Answer the following. (Any five)**

**(05)**

1. Write the uses of essential oils?
2. Write botanical name of belladonna and guggal ?
3. Write any four varieties of coconut ?
4. Why essential oils are produced by plants?
5. Write botanical name of coconut, arecanut, fennel and vanilla ?
6. Enlist any four varieties of Areca nut?
7. Why coconut is known as kalpavriksha ?

**Q.3 Write short notes. (Any five)**

**(15)**

1. Explain Roasting and shelling of cashew nut ?
2. Explain fertilizer and irrigation application in coriander ?
3. Write down the difference between common and kasturi methi ?
4. Write down the uses of cardamom ?
5. Write processing method for dry ginger ?
6. Write down the Criteria for selection of Mother palm for coconut ?

**Q.4 Differentiate the following. (Any three)**

**(15)**

1. Write down the production technology of Sarpagandha ?
2. Define medicinal plants? Write down the importance and scope of cultivation of medicinal plants ?
3. Explain in detail the economic importance of plantation crops ?
4. Write down the production technology of Oil palm ?