

**PARUL UNIVERSITY**  
**COLLEGE OF AGRICULTURE**

**B.Sc. (Hons.) Agriculture Summer 2018 - 19 Examination**

**Semester: 4****Date: 03/05/2019****Subject Code: 20108251****Time: 10:30 am to 1:00 pm****Subject Name: Production technology of spices,  
aromatics, medicinal and plantation crops****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 1.00 marks)****(10)**

1. \_\_\_\_\_ is a by- product of coconut.
2. Indian spices Board is located at \_\_\_\_\_.
3. \_\_\_\_\_ known as green gold.
4. \_\_\_\_\_ Variety of ginger is introduced from Brazil and became more popular.
5. full form of ICRI \_\_\_\_\_
6. National Research Centre for seed spices is located at \_\_\_\_\_.
7. \_\_\_\_\_ spice belongs to family lauraceae.
8. \_\_\_\_\_ is aril spice.
9. \_\_\_\_\_ is known as land of spices.
10. The chief constituent (chemical) of oil in ginger is \_\_\_\_\_.

**B. Multiple choice type questions. (Each of 1.00 mark)****(10)**

1. Which of the following crop comes under family zingibraceae
  - a) Turmeric
  - b) Ginger
  - c) Cardamom
  - d) All of these
2. Which of the following important chemical content of cumin
  - a)Cuminol
  - b)Curcumine
  - c)Diosgenin
  - d)Limonene
3. Which of the following country is origin of Vanilla
  - a) India
  - b) America
  - c) Indonesia
  - d) Indo-Burma
4. Which part of plant use in clove
  - a) Bark
  - b) Unopened flower bud
  - c) Fruit
  - d) Rhizome
5. In which crop the leaves are not economical part?
  - a) Citronella
  - b) Lemon Grass
  - c) Vetiver
  - d) Palmarosa
6. In which plantation crop pruning is required?
  - a) Cocoa
  - b) Coconut
  - c) Oil palm
  - d) None Of These
7. Which one is not consider as medicinal plant?
  - a) Aloe
  - b) Medicinal Yam
  - c) Aonla
  - d) Vetiver
8. To which family Periwinkle belongs
  - a) Malvaceae
  - b) Rosaceae
  - c) Apocynaceae
  - d) Solanaceae
10. The botanical name of Scented Rose is
  - a) *Rosa indica*
  - b) *Rosa Edward*
  - c) *Rosa centifolia*
  - d) *Rosa damascena*

11. Which of the following country is origin of Vanilla
- |            |               |
|------------|---------------|
| a) India   | c) Indonesia  |
| b) America | d) Indo-Burma |

**Q.2 Do as Directed.**

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

**(05)**

1. Aromatic plants
2. Curing
3. Weeding
4. Plantation crops
5. Mulching
6. Trashing
7. Spice crops

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

**(05)**

1. Why coconut is known as Kalpvriksha?
2. Why essential oils are produced by plants?
3. Characteristics of rhizomes for turmeric propagation.
4. Write Selection criteria for seed nut in oil palm.
5. Why Black pepper is known as black gold
6. Write botanical name of coconut, fennel, vanilla and aonla.
7. Write family of black pepper, vanilla, opium and geranium.

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

**(15)**

1. Write difference between dwarf and tall coconut
2. Write processing method for dry ginger.
3. Write difference of common and kasurimethi.
4. Write Selection criteria for mother palm, seed nut and seedlings for arecanut.
5. Explain fertilizer and irrigation application in coriander
6. Uses of spices and aromatic crops.

**Q.4 Attempt any Three Long Questions**

**(15)**

1. Enlist processing methods for white pepper and explain any one
2. Write production technology of Cardamom
3. Write production technology of Oil palm.
4. Write production technology of Opium.