

PARUL UNIVERSITY**COLLEGE OF AGRICULTURE****B.Sc.(Hons.) Agriculture Supplementary Exam, Winter 2018 - 19 Examination****Semester: 4****Subject Code: 20108251****Subject Name: Production Technology of spices, aromatic medicinal and plantation crops****Date:22/12/2018****Time:02:00pm to 4:30pm****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 1.00 marks)****(10)**

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

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

1. Which part of plant use in cinnanmon ?

a) Bark	c) Rhizome
b) Fruit	d) Unopened flower bud
2. Black pepper starts yielding after

a) 2 nd year	c) 3 rd year
b) 1 st year	d) 4 th year
3. Vengurla-4 is a variety of which crop ?

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

a) Apocyanaceae	c) Malvaceae
b) Rosaceae	d) Solanaceae
5. In which plantation crop pruning is required ?

a) Cocoa	c) Oil palm
b) Arecanut	d) Cashewnut
6. In which crop the leaves are not economical part ?

- a) Citronella
b) Vetiver
c) Lemon grass
d) Palmarosa
7. Which of the following country is origin of Vanilla ?
a) India
b) America
c) Indonesia
d) Indo-burma
8. Guggal plant propagates commercially by
a) Stem cuttings
b) Budding
c) Grafting
d) None
9. Central Coffee Research Institute is located in
a) Gujarat
b) Tamil Nadu
c) West bengal
d) Karnataka
10. Which of the following country is origin of Clove?
a) India
b) America
c) Indonesia
d) Indo-burma

Q.2 Do as Directed.

A. Define the following. (Any five)

(05)

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

B. Answer the following. (Any Five)

(05)

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

Q.3 Write short notes. (Any five)

(15)

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

Q.4 Attempt any three/Long Questions/Example

(15)

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