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**GANDHI INSTITUTE OF ENGINEERING AND TECHNOLOGY, ODISHA, GUNUPUR
(GIET UNIVERSITY)**

Ph.D. (Hort.) PSMA (First Semester – Regular) Examinations, December – 2025

PSM 601- Advances in Production of Plantation and Spice Crops

(Horticulture)

Time: 2 hrs

Maximum: 50 Marks

Answer ALL questions

(The figures in the right hand margin indicate marks)

PART – A

(2 x 5 = 10 Marks)

Q.1. Answer *ALL* the questions

	CO #	Blooms Level
a. Differentiate spicata coconut bunch from the ordinary bunch.	CO 1	K1
b. Differentiate between chupons and fan branches in cocoa.	CO 2	K1
c. Physiology of higher latex yield in rubber by treating with Ethrel.	CO 1	K2
d. Explain the importance of mother of clove.	CO 3	K1
e. List out different grades of processed tea.	CO 1	K2

PART – B

(6x 5=30 Marks)

Answer ANY SIX questions

	CO #	Blooms Level
2. Explain nursery practices in coconut.	CO 1	K3
3. Explain nursery practices in arecanut.	CO 1	K3
4. Explain the processing of oil palm & its different products.	CO 2	K2
5. Differentiate the climatic requirement of arabica & robusta coffees.	CO 1	K3
6. Explain different propagation methods of pepper.	CO 2	K4
7. Explain cultivation practices of ginger/turmeric.	CO 3	K2
8. Explain different pruning methods in tea.	CO 1	K2
9. Differentiate climatic growth of large & small cardamom.	CO 4	K3

PART – C

(10x 1 = 10 Marks)

Answer ANY ONE question

	CO #	Blooms Level
10. Critically examine the prospects and problems of coconut cultivation in Odisha.	CO 2	K5
11. Critically examine the prospects of coffee, pepper and cardamom in Odisha and areas suitable for the same	CO 3	K5

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