

M.Sc. (Ag.)Semester -II Examination 2015

Horticulture

Course : HOR 503

(Fundamentals of Plantation, Species, Medicinal & Aromatic Crops)

Time : Three Hours

Full Marks : 50

Questions are of value as indicated in the margin.

Answer **any five** questions

1. (a) Define plantation crops with salient features.
(b) Write down briefly the role and importance of plantation crops in national economy. 2+3+5=10
 2. (a) Discuss briefly about soil and climatic requirement of coconut.
(b) What do you mean by coconut based cropping system (CBCS)? How the spatial arrangement of component crops are done under CBCS.
(c) Write down the role of potassium in coconut nutrition. 4+4+2=10
 3. (a) What do you mean by HDP in plantation crop? How it is practiced?
(b) What is the commercial method of propagation of cashew? How it is done? 5+5=10
 4. Write in brief about the cultivation technology of citronella grass with special reference to soil & climatic requirement, varieties, propagation & planting, manuring, harvesting and yield. 10
 5. (a) Briefly discuss the rapid multiplication in Black pepper.
(b) Name three improved varieties of black pepper with their salient features.
(c) Write down the method of processing of white pepper. 4+2+4=10
 6. (a) Briefly discuss the production technology of Poppy.
(b) Write down the industrial uses of Aloe vera and Ocimum. 6+4=10
 7. What are the different methods employed in extraction of essential oil from aromatic plants. Briefly discuss the method of steam distillation. 2+8=10
 8. Write short notes on (**any four**) : 4×2.5=10
 - (a) Black tea
 - (b) Parchment coffee.
 - (c) Medicinal importance of periwinkle
 - (d) Oil bath roasting of cashew
 - (e) Curing of turmeric
 - (f) Indian perfumery industry.
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