

**M.Sc. (Ag.) Examination, 2018**

**Semester-II**

**Horticulture**

**Course No: HOR 503**

**(Fundamentals of Spices, Medicinal, Aromatic and Plantation Crops)**

**Time: Three hours**

**Full Marks: 80**

*Questions are of the value as indicated in the margin*

*Answer **any five** of the following questions.*

1. a) Discuss briefly the cultivation practices of cashewnut with special reference to soil & climatic requirement, varieties, planting, manuring schedule, water management and harvesting with yield.  
b) How CTC tea is processed? 10+6=16
  2. a) Write on the improved package of practice of ginger for higher yield and quality.  
b) Discuss the harvesting and processing techniques followed in turmeric. 10+6=16
  3. a) Enumerate the following points on coconut production:
    - i. Varieties
    - ii. Mother palm and seedling selection
    - iii. Manuring schedule
    - iv. Intercropping
    - v. Harvesting and yieldb) Briefly discuss propagation of black pepper. 10+6=16
  4. Briefly discuss the improved package of practices of the following medicinal and aromatic crops:
    - a) Periwinkle
    - (b) Citronella8+8=16
  5. Discuss the production technology of lemon grass and patchouli with special reference to soil, climate, varieties, propagation and planting, manuring, harvesting and yield. 8+8=16
  6. Discuss the improved package of practices of coffee with special emphasis on soil & climate, varieties, training and pruning, manuring, shade regulation, water management and harvesting with yield. 16
  7. a) Briefly describe the production technology, harvesting and post-harvest handling of opium.  
b) Discuss the propagation technique and planting of medicinal yam. 10+6=16
  8. Write short notes (**any four**): 4x4=16
    - i. Green tea vs. black tea
    - ii. Organic spices
    - iii. Medicinal value of medicinal solanum and senna
    - iv. Uses of Aloe vera and kalmegh
    - v. Perfume industry in India
    - vi. Export and import status of spices in India
    - vii. Shade management in tea
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