

**UNIVERSITY OF COLOMBO – SRI LANKA  
FACULTY OF ARTS**

**SPECIAL DEGREE EXAMINATION IN ARTS (GEOGRAPHY) PART III  
FIRST SEMESTER END EXAMINATION – 2021/2022**

**GYG 4179 – Advanced Agricultural Geography**

**Duration: 02 hours**

Answer any three (03) questions only

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1.
  - i. Write a brief account on plantation sector in Sri Lanka  
(04 marks)
  - ii. Briefly explain the significant of geographical distribution of tea plantations in Sri Lanka  
(06 marks)
  - ii. Discuss with examples the current challenges encountered by the tea production and marketing in Sri Lanka.  
(10 marks)
  
2.
  - i. What are methods of nutrition in plants?  
(04 marks)
  - ii. Describe the importance of nutrients that are required for plant's growth.  
(06 marks)
  - iii. Discuss the significant of the Integrated Plant Nutrition Management in present era.  
(10 marks)
  
3.
  - i. Draw and state the diagram of elements of the agricultural marketing mix  
(04 marks)
  - ii. Briefly discuss with suitable examples the services provided by the agricultural marketing  
(06 marks)
  - iii. Citing suitable examples, explain the current status of agricultural marketing in Developing Countries.  
(10 marks)

- 4.
- i. What are the Bio-technological methods that apply in agricultural activities?  
(04 marks)
  - ii. Explain the objectives of tissue culture technology for crop development.  
(06 marks)
  - iii. Compare the advantages and disadvantages of the tissue culture technique in producing plants.  
(10 marks)
- 5.
- i. What are the pest in crop cultivation?  
(04 marks)
  - ii. Explain the importance of pest management for sustainable agriculture.  
(06 marks)
  - iii. Examine the proposed solutions that emerging problems in chemical and biological pest management.  
(10 marks)
- 6.
- i. Briefly express the nature of agricultural activities in the dry zone of Sri Lanka.  
(04 marks)
  - ii. Explain the importance of dry zone agriculture to food security in Sri Lanka.  
(06 marks)
  - iii. Discuss challenges in agriculture that face by the dry zone farmers in Sri Lanka.  
(10 marks)

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