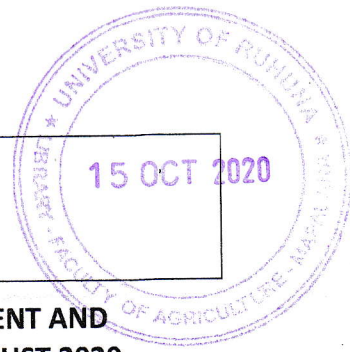




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UNIVERSITY OF RUHUNA



**THIRD EXAMINATION IN B.SC. AGRICULTURAL RESOURCE MANAGEMENT AND TECHNOLOGY/BS.C IN AGRI. BUSINESS MANAGEMENT (PART II) – AUGUST 2020**

**CS 3203 - Protected Agriculture (Theory) – 02 hours**

**Answer all questions**

**Index Number :**

- (1) . Name different types of hydroponic systems (25 Marks)
  - ii. Explain the environment factors that influence growth and development of crops grown in a protected house system (75 Marks)
- (2) i. What do you mean by soilless culture? (20 marks)
  - ii. What are the mediums commonly used in soilless culture? (30 marks)
  - iii. What are the physical, chemical and biological aspects to be considered in selecting substrate for soilless culture (50 Marks)
- (3) Briefly discuss the following
  - i. Potential of expanding protected agriculture systems in Sri Lanka to ensure sustainable vegetable production (50 Marks)
  - ii. Discuss the important management practices to ensure higher productivity under protected agricultural system (50 Marks)
- (4) i. What are the major advantages of growing crops hydroponically than conventionally (50 marks)
  - ii. Briefly explain the major issues associated with the maintenance of crops in a protected house (50 marks)