

**Uva Wellassa University of Sri Lanka  
Faculty of Animal Science & Export Agriculture**



**BSc in Aquatic Resources Technology  
Year II Semester I**

**End Semester Examination – February / March 2011**

**AQT 222-2 Aquatic Plant Propagation Technology  
Essay Questions (Section II)**

**Instructions**

Answer all questions in Section II in given answer scripts.

No. of questions : Two (02)

No. of pages : Two (02)

Time : One hour (1hr)

Total marks allocated : 60%

Index No:

01) Manager of aquarium plant nursery encountered following symptoms in his nursery section.

- Plantlets started to grow and most of them **break off from its base.**
- Healthy plantlets **wilted suddenly.**
- Plantlets appeared **fallen off at the soil line.**

- (I) Identify the disease condition prevailing in the nursery. (3 marks)
- (II) What is the causative agent of that disease? (3 marks)
- (III) What is the main mode of transmission of that disease? (3 marks)
- (IV) Suggest suitable preventive measures to get rid such a situation. (6 marks)
- (V) The manager needs to produce quality *Cryptocoryne* mother plant stock to be exported to a buyer in USA. Briefly explain the appropriate propagation method that could be adopted to provide a plant stock free of disease and of exportable quality.

(15 marks)

02) *Echinodorus sp.* (Amazon sword) is an amphibious / emergent perennial plant having excellent demand in aquarium plant industry.

(I) What are the **different vegetative propagules** which can be used to propagate it vegetatively? (5 marks)

(II) Briefly explain the procedure used to propagate *Echinodorus sp.* (Amazon sword) through seeds. (15 marks)

(III) Briefly explain the process of preparing aquatic ornamental plants for export market. (10 marks)

- End of section II -