



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



Animal Science Degree Programme  
Aquatic Resources Technology Degree Programme  
Year III Semester II  
End Semester Examination – August/September 2014

**AQT 301-2 Invertebrate Breeding and Farming**  
**Essay Questions (Section II)**

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**Instructions:**

Answer all questions .

No. of questions : Two (02)

No. of pages : One (01)

Time : One hour (1 hr)

Total marks allocated : 60%

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1. Describe the biosecurity measures you will adopt in following sections of a hatchery.

- a) Broodstock section
- b) Larval rearing section

(15 x 2 Marks)

2. a) Assume that you own a shrimp hatchery. You are requested to provide 1,000,000 post larvae by 28<sup>th</sup> of September 2014. Assuming that 1 female produces 500000 eggs, hatchability of the eggs =90%, Mortality rates; nauplii to zoea = 5%, zoea to mysis = 20% and mysis to PL =10%, PL<sub>1</sub> – PL<sub>15</sub>= 5% describe how you will fulfill this request.

b) Describe the importance of algal blooms in grow-out and how do you maintain the algal blooms during grow out period

(20 Marks)

[End of Section II]