

**Uva Wellassa University of Sri Lanka**  
**Faculty of Animal Science & Export Agriculture**  
**BSc in Aquatic Resources Technology Degree Programme**  
**BASc Degree Programme**  
**Year II Semester II**  
**End Semester Examination - September/October 2012**



**AQT 202-2 Ornamental fish breeding and production**  
**Essay (Section II)**

**Instructions**

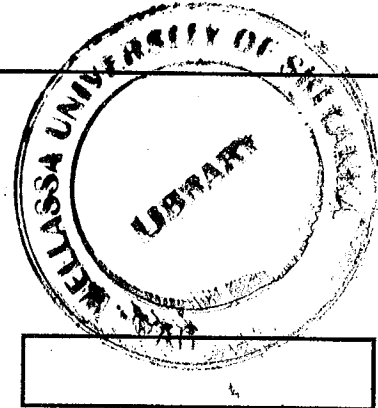
Answer all questions

No. of questions : Two (02)

No. of pages : One (01)

Time : One hour (1 hr)

Total marks allocated : 60%



Index No:

1. Describe in full details the breeding process of Siamese fighter (Betta splendens) (30 marks).

2. Janaka has started a new aquarium in January 2012 with an aim of producing guppy to the export market. Initially he started his aquarium with 100 pairs of matured guppy fish.

Considering the facts that

**A female guppy give birth to 30 fry once a month.**

**Sex ratio of fry is 2:3 (M:F).**

**Survival rate of guppy fry is 90% .**

**A fry takes 4 months to mature and give birth to fry.**

calculate

a. The male and female guppy stock he will have at the end of June (assume that they start giving birth to fry at the end of January for the first time)

b. If 50% of the males produced are sold at Rs.20 /male how much did he earn by June 2012.

(30 marks)

-End of Section II-