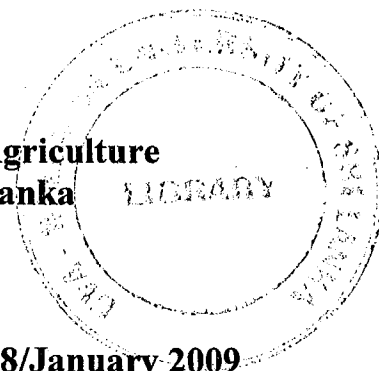




Faculty of Animal Science & Export Agriculture  
Uva Wellassa University of Sri Lanka



B.ASc. Degree Programme  
Year III Semester I  
End Semester Examination - December 2008/January 2009

ANS 331-2 Ornamental fish breeding and production  
Essay (Section II)

**Instructions**

Answer all questions in Section II in given space.

No. of questions : Two (02)  
No. of pages : Four (01 )  
Time : One hour (1 hr)  
Total marks allocated : 40%

Index No:

1. Describe how you will control the following factors in aquariums and discuss their importance in running a successful ornamental fish breeding venture.
  - a. Water quality (25 marks)
  - b. Health of parent stock (25 marks)
  - c. Use of aquatic plants (25 marks)
  - d. Aeration (25 marks)
  
2. Describe the steps you would take in
  - a. preparing an aquarium tank for breeding gold fish (30 marks)
  - b. Describe the importance of each step you mentioned above giving reasons (30 marks)
  - c. If you have 10 pairs of gold fish calculate how long it would take you to establish an aquarium which produces 1000,000 fish /cycle considering the following.
    - i. Fecundity of gold fish is 1000 eggs/cycle,
    - ii. Survival rate of fish fry is 50%
    - iii. you retain only 25% of the fish that were bred
    - iv. Gold fish breeds twice /year (40 marks)

End of part II