


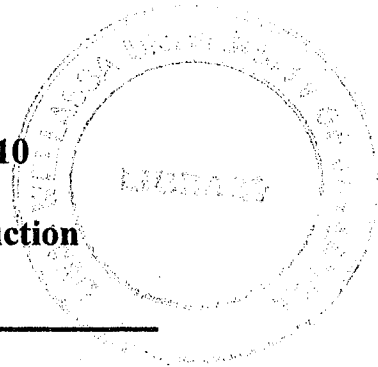
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Uva Wellasa University

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

B.ASc. Degree Programme
Year III Semester I
End Semester Examination - December 2009/January 2010

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



Instructions

Answer all questions in Section I in given space.

No. of questions : Two (02)
No. of pages : One (01)
Time : One hour (1 hr)
Total marks allocated : 60%

Index No:

01. Write an essay on "Impacts on the development of ornamental fish culture in the Uva Province, Sri Lanka" Your answer should include both advantages and disadvantages.
02. Use the information given below to answer the questions 1 to 4.

Monthly production target – 3000;

Survival rates at grow out and nursery phase – 80%;

Allocation for the backup brood stock – 20%;

Male to Female ratio – 1:3;

Each female produce 40 males at one breeding cycle;

Stocking densities – Brood stock – 4 per sq feet,

Nursery – 40 per sq feet, Grow out – 15 per sq feet, Replacement – 15 per sq feet.

1. Calculate the number of fry required for grow out tanks to achieve the above target
2. Calculate the number of Post larvae required for nursery stage
3. Calculate the required brood stock
4. Calculate the required tank spaces separately for grow out phase, nursery phase, replacement brood stock and brood stock

End of part II