

The Open University of Sri Lanka
Bachelor of Science Degree Programme
Final Examination : 2012/2013 – Level 5

Course Code : ZLU3181

Course title : Fish Biology and Fishery management

Duration : Two hours



Date : 2013. 12. 18

Time : 1.30 p.m - 3.30 p.m

Answer any **four (04)** questions.

Wherever necessary illustrate your answers with clearly labeled diagrams

1. “Adaptations for feeding and habitat conditions contribute to the success of fishes in their natural environment” comment on this statement.
2. Describe the locomotory patterns of fishes and explain how they maintain stability in water.
3. Discuss how water bodies in rural areas could be developed to enhance inland fishery production.
4. Discuss the morphological adaptations and behavioural patterns shown by fish to ensure the maximum survival of their progeny.
5. Write an account on the methods that can be used to estimate the fish population size.
6. Write short notes on any **two (02)** of the following.
 - (a) Fish traps used in Sri Lankan fishery.
 - (b) Exotic fishes in Sri Lanka.
 - (c) Fish yield.
 - (d) Living Jawless fishes.