

**UNIVERSITY OF RUHUNA**  
**BACHELOR OF SCIENCE IN FISHERIES AND MARINE SCIENCES DEGREE**  
**Level II Semester I - July/August 2016**  
**FAQ 2121 - Fish Behaviour**

Answer **any Two (02)** questions

**Time: 01 hour**

---

01. a) What is meant by fish migration? (04 marks)
- b) Describe the long term migratory patterns of fish. (40 marks)
- c) Briefly explain homing behaviour of fish. (06 marks)
02. a) Explain what is meant by “fish shoal.” (05 marks)
- b) Describe the hypotheses which explain the shoaling behaviour of fish. (45 marks)
03. Answer **any two** of the following. (25 marks for each)
- a) Describe “Optimal foraging theory”.
- b) Describe the importance of “eye ornamentation” and “poster colors” in visual communication in fish.
- c) Describe use of sound by fish for communication.
- d) Describe “Non guarding parent fish” in breeding behaviour.

@@@@@@@@