

UNIVERSITY OF RUHUNA
BACHELOR OF SCIENCE IN FISHERIES AND MARINE SCIENCES DEGREE

Level II Semester I Examination

July/August 2015

FAQ 2121 - Fish Behaviour

Time: 01 hour

Answer any two (02) questions

- 01). (a) Define fish migration and list out the reasons for it. (05 marks)
(b) Briefly explain the patterns of seasonal migration. (27 marks)
(c) Describe the possible mechanisms for the orientation in fish migration. (18 marks)
- 02). (a) What is meant by communication in fish? (05 marks)
(b) Describe the importance of the following in visual communication among fish. (45 marks)
(i) Red coloration
(ii) Eye ornamentation
(iii) Eye spots
- 03). Answer **any two (02)** of the following (25 marks for each)
(a) Optimal foraging theory
(b) Chemical and auditory signals used by fish for communication
(c) Pelagic and Benthic spawners
(d) Open substrate spawners and broods hidens

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