

UNIVERSITY OF RUHUNA
BACHELOR OF SCIENCE IN FISHERIES AND MARINE SCIENCES DEGREE
Level I Semester I Examination - July/August 2016

FAQ 1112 - Evolution and Basic Biology of Fin Fish

Time: 1½ hours

Answer any **Three (03)** questions of the following

01. (i) Mention the characteristics of Agnatha, which could be used to distinguish them from Gnathostomata (10 marks)
(ii) Describe the types of jaw suspension found among fish (40 marks)
02. (i) Name the sensory organs found in sharks and mention their sensory functions (10 marks)
(ii) Explain how the sensory organs of sharks have helped them to be a successful group of fish in the Oceans. (40 marks)
03. Briefly describe the morphometric and meristic characters that are important in fish identification. (50 marks)
04. "Feeding habits of fin fish are well represented by the positions of their mouth and types of teeth". Discuss giving suitable examples. (50 marks)
05. Write short notes on **any three** of the followings.
a. Lateral line of fish
b. Gills of fish
c. Paraphyletic groups of fish
d. Physoclistous gas bladder
e. Adaptations for feeding in Lampreys (50 marks)

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