



**UNIVERSITY OF RUHUNA**  
**FACULTY OF FISHERIES AND MARINE SCIENCES &**  
**TECHNOLOGY**

**Academic Year 2023/2024**

**Bachelor of Science Honours in Fisheries and Marine Sciences Degree/ Bachelor of  
Science Honours in Marine and Freshwater Sciences Degree**

**Level I Semester II Examinations – April/May 2025**

**OCG 1222: Marine Biology (Invertebrate Fauna)**

**Section II**

Answer only **three (03)** questions

**Time 1 hour and 30 minutes /75 marks**

- 01.) 'Cnidarians have spread into all kinds of marine habitats.' Discuss this statement, giving suitable adaptations for those environments and examples. (25 marks)
- 02.)  
i.) Describe the generalized water vascular system of echinoderms. (10 marks)  
ii.) Explain deviations in the generalized water vascular system among different classes of echinoderms. (15 marks)
- 03.) Write short notes on **any three (03)** of the following. (25 marks)  
a.) Foraminiferans.  
b.) Diversity of cephalopods.  
c.) Trematodes.  
d.) Parapodia of Annelids.  
e.) Asexual reproduction of Poriferans.
- 04.) Write short notes on **any two (02)** of the following. (25 marks)  
a.) Morphological diversity of Ctenophora.  
b.) Body plan of Annelids.  
c.) Moulting of Arthropods.
- 05.) Discuss the morphological diversity within the phylum Mollusca. (25 marks)

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