

UNIVERSITY OF RUHUNA

BACHELOR OF SCIENCE HONOURS IN FISHERIES AND MARINE SCIENCES DEGREE
Level I Semester I Examination – August / September 2018

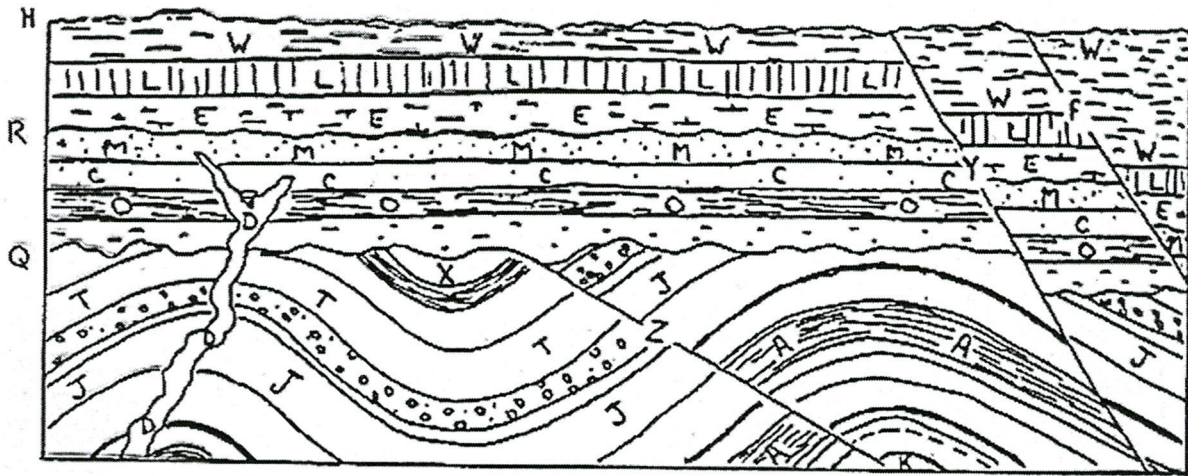
OCG 1112 – Introduction to Oceanography (Repeat)

Time: 2 hours

Answer any four (04) of the following questions

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1. i. Write a brief description on different stages of the evolution of Oceanography. (10 Marks)
- ii. Write brief descriptions on
- a. R/V. Flip
 - b. HROV ALVIN
 - c. Lamont Doherty core repository (15 Marks)
2. i. Briefly describe United Nations Convention on the Law of the Sea (UNCLOS). (10 Marks)
- ii. Discuss why Article 76 Annex II is applicable to Sri Lanka ? (15 Marks)
3. Write short notes on the following
- i. *Big Bang* Theory (10 Marks)
 - ii. Use of fossils in constructing Geologic Time Scale (15 Marks)
4. Describe the differences between any two (02) phrases given below with labeled schematic diagrams where necessary.
- i. Folding and Faulting
 - ii. Cosmological Nucleosynthesis and Stellar Neucleosynthesis
 - iii. Angular Unconformity and disconformity (25 Marks)

5. Use the figure given below to answer the questions from i to iii.



- i. Rank the beds A, K, T, J, W, L, M, E, C, and O in ascending order based on their age of deposition.
- ii. Briefly describe the events D, F, Q, Y, and Z.
- iii. Using the principles used in relative age dating, describe the geological evolution shown in the figure.

(25 Marks)

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