

UNIVERSITY OF RUHUNA

BACHELOR OF SCIENCE HONOURS IN FISHERIES AND MARINE SCIENCES
DEGREE

Level IV Semester I Examination August/September 2018

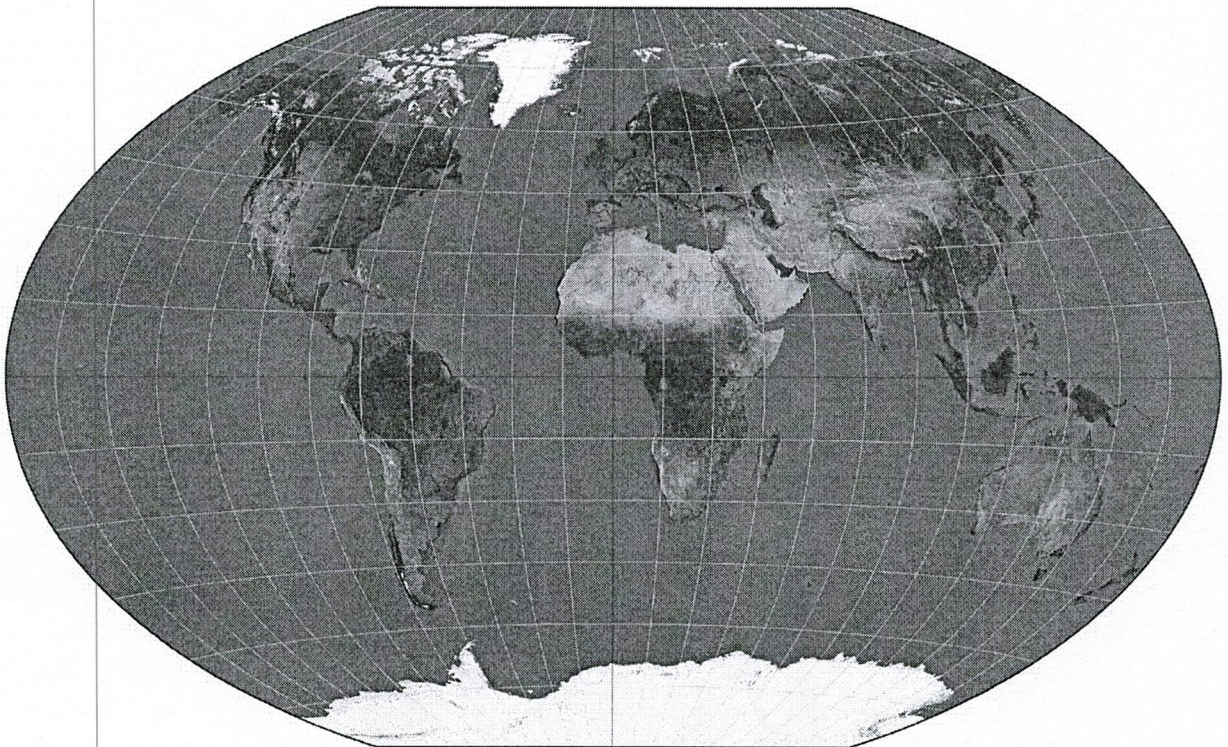
OCG 2141 - Tectonics and Ocean Basins 2018 (Repeat)

Time: 01 hour

Answer any two questions

-
1. i. What are supercontinents? Briefly explain (20 marks)
 - ii. Describe the forces responsible for moving tectonic plates? (30 marks)

 2. i. Mark an example location for each phase of ocean basin development (Wilson cycle) on the give map and label them properly. (20 marks)
 - ii. Briefly describe all the phases of ocean basin development (30 marks)



3. i. Write short notes on any five morphological features on the sea floor (except island arcs). (30 marks)

ii. Explain the morphological and tectonic differences between active and passive continental margins. (20 marks)

4. i. Write a description on a. convergent plate boundaries (30 marks)
b. divergent plate boundaries

ii. Why Pacific Ocean is shrinking while Atlantic and Indian Oceans are expanding? (20 marks)

@@@@@@@@