

The Open University of Sri Lanka  
 Department of Zoology  
 Masters Degree in Environmental Science  
 Academic Year 2017/2018



Level 9

Final Examination

Course title- Understanding the Environment

Course Code - ZYP9505 /NEP1211

Date : 1<sup>st</sup> December 2018

Time: 9.30 am- 12.30 pm

**ANSWER ANY FOUR (04) QUESTIONS**

1. (i) Describe the Earth's internal energy source/s? *(25 marks)*
- (ii) What is plate tectonics and how was it discovered? *(25 marks)*
- (iii) How do the interior structure of the Earth is investigated? *(25 marks)*
- (iv) Why is the crust under the oceans is thinner than under the continents? *(25 marks)*
  
- 2 (i) Briefly describe the various types of silicate mineral structures based on the SiO<sub>4</sub> tetrahedron. *(25 marks)*
- (ii) How does 'fracture' differ from 'cleavages'? Explain the answer with suitable Examples. *(25 marks)*
- (iii) "Chert, agate and pearl are considered as mineraloids". With reference to mineral definition explain why each of these are not considered as minerals. *(25 marks)*
- (iv) Explain the Bowen's Reaction Series with suitable a diagram. *(25 marks)*