

**UNIVERSITY OF RUHUNA**  
**BACHELOR OF SCIENCE GENERAL DEGREE LEVEL II (SEMESTER I)**  
**EXAMINATION - JULY 2016**

**Subject: Zoology**


**Time: 01½ hours**

**Course Unit: ZOO 2112 - Comparative Animal Physiology**

Answer **any three** questions only.  
*Illegible handwriting would be penalized.*

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1. Describe the hormonal regulation of child birth and lactation.
  
2. Explain the mechanism of initiation and propagation of a nerve impulse in a non myelinated nerve.
  
3. Write short notes **any three** of the following.
  - (i). Gill respiration
  - (ii). Pulmonary surfactants
  - (iii). Functions of lymph
  - (iv). Differences between Chemical and electrical synapses
  
4. **Answer both parts.**
  - (i). (a). Briefly describe the structure and functions of human small intestine.  
  
(b). Write a brief account on disease of "Kwashiorkor".
  
  - (ii). Briefly describe the disorders in human urinary system.

 Marks for continuous assessments

**(20 marks)**

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