



13

RAJARATA UNIVERSITY OF SRI LANKA  
FACULTY OF APPLIED SCIENCES

B.Sc. (General) Degree in Applied Sciences  
Third year – Semester II Examination – April/May 2016

ZOO 3203 - HUMAN DISEASES, HEALTH AND ENVIRONMENT

Time: Two (02) hours

Answer all questions.

1. a) Describe the evolution of theories of disease causation. (50 marks)  
b) Explain the pathogenesis phase of communicable diseases, using dengue fever as an example. (50 marks)
2. a) Discuss the role of two major risk factors in causing non-communicable diseases. (50 marks)  
b) Explain why controlling of communicable diseases is becoming difficult in most countries. (50 marks)
3. a) Outline the effects of environment on human health. (50 marks)  
b) Describe how to minimize the impact of global warming on human health. (50 marks)
4. a) Briefly describe the functions of human immune system. (40 marks)  
b) Explain the mechanism behind active and passive immunization, with appropriate examples. (60 marks)