



**RAJARATA UNIVERSITY OF SRI LANKA  
FACULTY OF APPLIED SCIENCES**

**B.Sc. (General) Degree in Applied Sciences  
Third Year- Semester 1 Examination – November /December 2016**

**ZOO 3203 – HUMAN DISEASE, HEALTH AND ENVIRONMENT**

**Time: Two (02) hours**

**Answer all four (04) questions.**

1. a) Define the following terms in relation to communicable diseases.

I Natural history of disease

(20 marks)

II Pathogenesis

(20 marks)

III Carrier

(20 marks)

- b) Discuss the measures to prevent the spread of diarrhoea in a given community.

(40 marks)

2. a) Explain what you mean by a non-communicable disease.

(20 marks)

- b) List 4 non-communicable diseases.

(20 marks)

- c) Outline the measures of preventing non communicable diseases in a given population, using diabetes mellitus as an example.

(60 marks)

3. a) Briefly explain the laws of Mendel in genetics. (30 marks)
- b) Using blood group as an example, explain what you mean by 'genotype' and 'phenotype'. (30 marks)
- c) Describe the basis for chromosomal disorders, using relevant examples. (40 marks)
4. a) Explain what is meant by 'global warming'. (25 marks)
- b) Discuss the factors which contribute to 'global warming'. (50 marks)
- c) Briefly explain the health effects of 'global warming'. (25 marks)

END