



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

**B.Sc. (General) Degree in Health Promotion
First Year – Semester I Examination – September/October 2019**

HPT 1202 - INTRODUCTION TO HUMAN DISEASES AND HEALTH

Time: Two (02) hours

Answer ALL questions.

1. a) Define the term 'disease'. **(20 marks)**
b) Describe the meaning of 'disease spectrum' in relation to communicable diseases. **(40 marks)**
c) Explain the major agent factors that influence transmission of communicable diseases. **(40 marks)**
2. a) List **two (02)** examples each for the components of the immune system mentioned below.
 - i. Organs of immune system **(10 marks)**
 - ii. Molecules of immune system **(10 marks)**b) Explain the term 'artificial immunization' with suitable examples. **(40 marks)**
c) Describe the role of human immune system. **(40 marks)**
3. a) Explain how non-communicable diseases differ from communicable diseases. **(30 marks)**
b) Discuss the reasons for Non-Communicable Disease (NCD) 'epidemic' recently spreading in many countries. **(40 marks)**
c) Outline the wide spectrum of services needed by a person who is diagnosed with diabetes mellitus. **(30 marks)**

- 4 a) Explain how the drinking water is contaminated. **(30 marks)**
- b) Outline the measures could be suggested to following sectors to minimize global warming.
- i. An urban community **(20 marks)**
 - ii. Government of Sri Lanka **(20 marks)**
- c) Discuss the effects of Ozone layer damage. **(30 marks)**

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