



RAJARATA UNIVERSITY OF SRI LANKA
FACULTY OF APPLIED SCIENCES

BSc in Health Promotion
First Year – Semester I Examination – July/August 2023

HPT 1201 – BASIC HUMAN PHYSIOLOGY

Time: Two (02) hours

Answer ALL questions.

01. a) List **four (04)** functions of human stomach. (20 marks)
b) Describe how digestive materials move along human oesophagus. (30 marks)
c) Explain the role of following hormones in digestive process. (50 marks)
i. Secretin
ii. Gastrin
iii. Cholecystokinin (CCK)
iv. Gastric Inhibitory Peptide (GIP)
02. a) Explain the role of the pituitary gland in regulating endocrine functions of the human body. (50 marks)
b) Discuss how blood glucose level is regulated in the human body. (50 marks)
03. a) Describe **five (05)** nonspecific defense mechanisms of the immune system. (50 marks)
b) Explain primary and secondary immune responses of the human body after exposed to an antigen. (50 marks)
04. Write short notes on followings.
a) Reflex arc (25 marks)
b) Glomerular Filtration Rate (GFR) (25 marks)
c) Starling forces of capillary fluid exchange (25 marks)
d) Carbon dioxide transportation in the blood (25 marks)

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