



UNIVERSITY OF JAFFNA, SRI LANKA
FACULTY OF ALLIED HEALTH SCIENCES
First Year First Semester Basic Sciences Examination – 2021 (Old Syllabus)
AHSBPH 1154 Basic Physiology I - Paper II

Date: 12.12.2022

Time: 2 hours

ANSWER ALL THE SIX QUESTIONS.

1. Briefly explain the physiological basis of:
 - 1.1. Oedema in lymphatic obstruction (50 Marks)
 - 1.2. Reduced urine output in dehydration (50 Marks)

2.
 - 2.1. Explain the basis of anaemia in chronic renal failure (50 Marks)
 - 2.2. Describe the properties of phagocytes. (50 Marks)

3. Describe:
 - 3.1. Saltatory conduction in nerves (50 Marks)
 - 3.2. Action potential in cardiac muscle (50 Marks)

4. Briefly explain the physiological basis of the following.
 - 4.1. Polyuria in diabetes mellitus (35 Marks)
 - 4.2. Hands are warm and moist in hyperthyroid patients (30 Marks)
 - 4.3. Limbs are thin in patients with Cushing syndrome (35 Marks)

5. Describe:
 - 5.1. Transmission of pain sensation from the right leg to the sensory cortex (50 Marks)
 - 5.2. Knee jerk (50 Marks)

6. Write notes on:
 - 6.1. Air conduction in ear (50 Marks)
 - 6.2. Refractive errors in eyes (50 Marks)