



UNIVERSITY OF JAFFNA, SRI LANKA  
UNIT OF ALLIED HEALTH SCIENCES

First Year First Semester Examination - ~~December~~ *October* 2019  
AHSBPH 1154 Basic Physiology I

**Paper II**

Date: 09.12.2019.

Time: 2 hours

**Answer all the six questions.**

1. Describe:
  - 1.1. Formation and reabsorption of interstitial fluid (50 Marks)
  - 1.2. How obstruction of lymphatic vessels in left inguinal region causes oedema (25 Marks)
  - 1.3. How varicose veins in right leg causes oedema (25 Marks)
  
2. Write short notes on:
  - 2.1. Anaemia (50 Marks)
  - 2.2. Hemostasis (50 Marks)
  
3. Explain the physiological basis of the following:
  - 3.1. Pus contains mainly dead and dying neutrophils (30 Marks)
  - 3.2. Vasodilatation occurs in allergic reaction (30 Marks)
  - 3.3. Blood group O is considered as "Universal donor" (40 Marks)
  
4. Describe briefly:
  - 4.1. Gate control theory of pain sensation (50 Marks)
  - 4.2. Importance of sleep (50 Marks)
  
5. Describe briefly:
  - 5.1. Function of prefrontal cortex (40 Marks)
  - 5.2. Colour vision (30 Marks)
  - 5.3. Sensing rotational movement (30 Marks)
  
6. Describe the physiological basis of the following:
  - 6.1. Diabetic patients on insulin injection should have some glucose with them (40 Marks)
  - 6.2. Cold intolerance in hypothyroidism (30 Marks)
  - 6.3. Children with excess secretion of growth hormone are taller than others (30 Marks)