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UNIVERSITY OF JAFFNA, SRI LANKA  
UNIT OF ALLIED HEALTH SCIENCES

First Year First Semester Examination - ~~December~~ <sup>October</sup> 2019

AHSBP 1105 Basic Physiology

Paper II

Date: 09.12.2019.

Time: 2 hours

Answer all the six questions.

1. Describe briefly:
  - 1.1. Body fluid compartments (50 Marks)
  - 1.2. Body composition (50 Marks)
  
2. Describe briefly:
  - 2.1. Changes seen in red cell in vitamin B<sub>12</sub> deficiency (30 Marks)
  - 2.2. Functions of platelets (40 Marks)
  - 2.3. Innate immunity (30 Marks)
  
3. Describe briefly:
  - 3.1. Lung volumes (50 Marks)
  - 3.2. Mechanism of inspiration (30 Marks)
  - 3.3. Mechanism of expiration (20 Marks)
  
4. Briefly describe:
  - 4.1. Cardiac cycle (50 Marks)
  - 4.2. Regulation of blood pressure (50 Marks)
  
5. Briefly describe:
  - 5.1. Deglutition (50 Marks)
  - 5.2. Regulation of acid secretion in stomach (50 Marks)
  
6. Briefly describe:
  - 6.1. Pain pathway from finger tip to sensory cortex (30 Marks)
  - 6.2. Referred pain (30 Marks)
  - 6.3. Sleep stages (40 Marks)