

UNIVERSITY OF JAFFNA, SRI LANKA
UNIT OF ALLIED HEALTH SCIENCES
First Year Second Semester Basic Sciences Examination– March 2019
AHSBPH 1253 – Basic Physiology II
Paper II

Date: 25.03.2019.

Time: 2 hours

Answer all the six questions.

1. Write notes on:
 - 1.1. Hypoxia (50 Marks)
 - 1.2. Cardiac output (50 Marks)

2. Describe:
 - 2.1. Transport of carbon dioxide (40 Marks)
 - 2.2. The mechanism of hyperventilation in acidosis (30 Marks)
 - 2.3. Mechanism of relief of breathing difficulty of asthma by administration of adrenaline (30 Marks)

3. Describe the mechanism of:
 - 3.1. Increased heart rate in haemorrhage (30 Marks)
 - 3.2. Reduced heart rate on exposure to panic situation (30 Marks)
 - 3.3. Increased blood pressure in kidney diseases (40 Marks)

4. Describe:
 - 4.1. Functions of saliva (40 Marks)
 - 4.2. The mechanism of reduction in acid secretion in stomach when antihistamine is given. (30 Marks)
 - 4.3. The mechanism of loose motion (diarrhea) in stressful situation. (30 Marks)

5. Describe the mechanism of diuresis (increased urine output) in:
 - 5.1. Diabetes mellitus (50 Marks)
 - 5.2. Drinking excess water (50 Marks)

6. Describe:
 - 6.1. Safe period for contraception. (30 Marks)
 - 6.2. Mechanism of contraception by progesterone pills. (30 Marks)
 - 6.3. Cause of subfertility in males with undescended testis. (40 Marks)