

UNIVERSITY OF JAFFNA, SRI LANKA
FACULTY OF ALLIED HEALTH SCIENCES
First Year First Semester Examination in BScHons (Nursing)-2022
NURPY 1143 PHYSIOLOGY FOR NURSES I
PAPER II

Date:04.12.2023

Time: 2 hours

Answer all the six questions.

1.
 - 1.1 Describe the regulation of plasma osmolarity (40 Marks)
 - 1.2.1 List 4 signs of dehydration (20 Marks)
 - 1.2.2. Outline the problems of dehydration (40 Marks)

2. Explain the role of the following:
 - 2.1. Kidney in red cell production. (25 Marks)
 - 2.2. Platelets in arresting the bleeding from capillary (25 Marks)
 - 2.3. B lymphocytes in immunity (50 Marks)

3. Describe:
 - 3.1. Synaptic transmission (50 Marks)
 - 3.2. Excitation- contraction coupling in skeletal muscle (50 Marks)

4. Explain the changes in respiratory rate in:
 - 4.1. Bronchial asthma (50 Marks)
 - 4.2. Moderate physical exercise (50 Marks)

5. Explain the physiological basis of the changes in heart rate in response to:
 - 5.1. Stimulation of vagus nerve (25 Marks)
 - 5.2. Excitement (25 Marks)
 - 5.3. Moderate hemorrhage (50 Marks)

6.
 - 6.1. Describe the mechanism of regulation of body temperature in response to cold (50 Marks)
 - 6.2. Explain the physiological basis of increased pulse pressure in pregnancy (50 Marks)