

UNIVERSITY OF JAFFNA, SRI LANKA
FACULTY OF ALLIED HEALTH SCIENCES
First Year First Semester Examination in BScHons (Nursing) - 2021
NURPY 1143 PHYSIOLOGY FOR NURSES I - PAPER II

Date: 12.12.2022

Time: 2 hours

ANSWER ALL THE SIX QUESTIONS.

1. 1.1. Describe tissue fluid formation and reabsorption (40 Marks)
1.2. A child is admitted with diarrhoea. Urine output of the child is reduced and the urine is concentrated and the colour is dark.
1.2.1. Explain the basis of reduced urine output. (50 Marks)
1.2.3. Name one suitable fluid for oral therapy and one fluid for intravenous therapy. (10 Marks)

2. Briefly describe the basis of the following:
2.1. Anaemia in chronic renal failure (30 Marks)
2.2. Increased bleeding tendency in patients with liver disease (30 Marks)
2.3. Multiple doses tetanus toxoids to children (40 Marks)

3.
3.1. Describe action potential in nerves (50 Marks)
3.2. Explain the basis of increased sweating after giving Paracetamol for fever (50 Marks)

4. 4.1. Describe the changes in pleural pressure during quiet breathing. (40 Marks)
4.2. List the types of hypoxia. (20 Marks)
4.3. Briefly explain the physiological basis of increased respiratory rate in pulmonary oedema. (40 Marks)

5. 5.1. Name the phases of cardiac cycle (20 Marks)
5.2. Describe the pressure changes in the left ventricle during a cardiac cycle. (40 Marks)
5.3. Briefly explain the factors affecting cardiac output. (40 Marks)

6. Explain the physiological basis of the following:
6.1. Heart rate of 120 / minute in a patient with haemorrhage (40 Marks)
6.2. Increased pulse pressure in pregnancy (30 Marks)
6.3. Worsening of difficulty in breathing when patients with left heart failure lie down on bed (30 Marks)

