



UNIVERSITY OF JAFFNA, SRI LANKA
FACULTY OF ALLIED HEALTH SCIENCES
FIRST YEAR FIRST SEMESTER EXAMINATION IN BPharmHons- 2023
PHAPP 1163 PHYSIOLOGY FOR PHARMACY I- PAPER II

Date: 09.12.2024

Time: 2 Hours

Answer all the six questions.

1. Explain:
 - 1.1. What happens to red cells when put in hypotonic solution (30 Marks)
 - 1.2. The basis for infusing 0.9% NaCl to patients who cannot drink (30 Marks)
 - 1.3. The regulation of osmolality of body fluids (40 Marks)

2. Explain:
 - 2.1. How bleeding stops after finger prick (30 Marks)
 - 2.2. Basis of giving aspirin to patients having risk of ischemic heart disease (30 Marks)
 - 2.3. Increased bleeding tendency in chronic liver disease (40 Marks)

3. Explain the basis of:
 - 3.1. Increased sweating in warm and humid environment (25 Marks)
 - 3.2. Leptin resistance causing obesity (25 Marks)
 - 3.3. Sweating after giving paracetamol to patients with fever (25 Marks)
 - 3.4. Risk of hypothermia when exposed to cold environment after drinking alcohol (25 Marks)

4. Explain the basis of:
 - 4.1. The difficulty in inspiration in babies born before 32 weeks of pregnancy (50 Marks)
 - 4.2. Patients with bronchial asthma having more difficulty in expiration than in inspiration (50 Marks)

5.
 - 5.1. Draw a typical ECG and label the waves and intervals (25 Marks)
 - 5.2. Correlate the waves and intervals with events in the heart (25 Marks)
 - 5.3. Describe the cyclical events in the left ventricle (50 Marks)

6. Describe the special features of regulation of blood flow through:
 - 6.1. Brain (25 Marks)
 - 6.2. Liver (25 Marks)
 - 6.3. Skin (25 Marks)
 - 6.4. Left ventricular muscles (25 Marks)