



UNIVERSITY OF JAFFNA, SRI LANKA
FACULTY OF ALLIED HEALTH SCIENCES
FIRST YEAR SECOND SEMESTER EXAMINATION IN BPharmHons-2023
PHAPP 1233 PHYSIOLOGY FPR PHARMACY II

PAPER II

Date: 16.06.2025

Time: 2 hours

Answer all the six questions.

1. A 10-year-old boy was brought to the hospital by his mother who said that the boy is not playing with friends but prefers to sleep most of the time. His educational performance was very poor. On examination he had nonpitting oedema. .
He was diagnosed to have hypothyroidism and was given thyroxine tablets. He did not show any improvements in symptoms during the first two days.
Explain the basis of the following:
 - 1.1. Nonpitting oedema in this patient (30 Marks)
 - 1.2. Poor performance at the school (35 Marks)
 - 1.3. Absence of improvements for the first two days (35 Marks)
2. Describe the basis of the following:
 - 2.1. Patients are at risk of developing headache after withdrawal of CSF by lumbar puncture (25 Marks)
 - 2.2. Patients suffering severe trauma sustaining multiple fractures (without hemorrhage) will have low blood pressure (25 Marks)
 - 2.3. Patients sustaining head injury may not remember the events leading to the accident (25 Marks)
 - 2.4. Persons engaging in late night study for one week to prepare for an examination and driving motorcycle are at risk of meeting with Road Traffic Accident (25 Marks)
3. Explain the following:
 - 3.1. Hyperopia (long sightedness) (25 Marks)
 - 3.2. Conduction deafness (25 Marks)
 - 3.3. Motion sickness (25 Marks)
 - 3.4. Sniffing (25 Marks)
4. Discuss the role of dietary fiber in preventing the following:
 - 4.1. Overeating (30 Marks)
 - 4.2. Hyperglycemia after meals (35 Marks)
 - 4.3. Constipation (35 Marks)

5. Briefly explain basis of the presence of the following substances in urine:
- 5.1. hemoglobin (25 Marks)
 - 5.2. Albumin (25 Marks)
 - 5.3. Glucose (25 Marks)
 - 5.4. Penicillin (25 Marks)
6. Explain the use of the following:
- 6.1. Androgens by female athletes (25 Marks)
 - 6.2. Contraceptive pills to postpone menstrual flow (25 Marks)
 - 6.3. Calendar for safety period (25 Marks)
 - 6.4. IUCD for contraception (25 Marks)