



UNIVERSITY OF JAFFNA, SRI LANKA
FACULTY OF ALLIED HEALTH SCIENCES
First Year Second Semester Examination in BPharmHons - 2021

PHAPP 1233 PHYSIOLOGY FOR PHARMACY II - PAPER II

Date: 16.06.2023

Time: 2 hours

Answer all the six questions.

1. Briefly explain the physiological basis of the following.
 - 1.1. Diabetes patients may feel faintish and hungry after insulin injection (30 Marks)
 - 1.2. Increased weight in hypothyroidism (30 Marks)
 - 1.3. After prolonged treatment with high dose of Prednisolone stopping suddenly will cause problem (40 Marks)

2. Briefly describe:
 - 2.1. Motor unit (25 Marks)
 - 2.2. Receptive field (25 Marks)
 - 2.3. Referred pain (25 Marks)
 - 2.4. Muscle spindle (25 Marks)

3. Explain:
 - 3.1. Tympanic reflex (40 Marks)
 - 3.2. The basis of treating night blindness with vitamin A (35 Marks)
 - 3.3. Effect of sleep deprivation (25 Marks)

4.
 - 4.1. Write notes on gastric acid (50 Marks)
 - 4.2. Mention 2 drugs that can be used in treating peptic ulcer disease (20 Marks)
 - 4.3. Explain the physiological basis of using the above mentioned drugs (30 Marks)

5. Explain the physiological basis of the following
 - 5.1. Urine pH of 7.5 is observed in patients using Carbonic anhydrase inhibitors (40 Marks)
 - 5.2. Proteinuria in glomerular disease (30 Marks)
 - 5.3. Polyuria in Diabetes Insipidus (30 Marks)

6.
 - 6.1. Describe the regulation of testosterone secretion (35 Marks)
 - 6.2. Explain the physiological basis of the following
 - 6.2.1. Use of Progesterone pills for contraception (30 Marks)
 - 6.2.2. Absence of menstruation during pregnancy (35 Marks)