

UNIVERSITY OF JAFFNA, SRI LANKA
FACULTY OF ALLIED HEALTH SCIENCES
FIRST YEAR SECOND SEMESTER EXAMINATION IN BScHons (MLS)-2022
MLSPM 1243 PHYSIOLOGY FOR MLS II

PAPER II

Date: 10.06.2024

Time: 2 hours

Answer all the six questions.

1. Explain the basis of:
 - 1.1. Increased plasma TSH in hypothyroidism (20 Marks)
 - 1.2. Central obesity in Cushing syndrome (25 Marks)
 - 1.3. Thickening of fingers in acromegaly (25 Marks)
 - 1.4. Diuresis in disease of posterior pituitary (30 Marks)

2.
 - 2.1. List the sensations carried by dorsal column pathway (10 Marks)
 - 2.2. Briefly explain referred pain (35 Marks)
 - 2.3. List the components of a reflex arc (20 Marks)
 - 2.4. Give 2 examples for stretch reflex (10 Marks)
 - 2.5. List 5 features of lower motor neuron lesion (25 Marks)

3. Briefly explain:
 - 3.1. Formation and reabsorption of aqueous humor. (25 Marks)
 - 3.2. Tunnel vision in glaucoma (25 Marks)
 - 3.3. Important of REM sleep (25 Marks)
 - 3.4. Conduction deafness (25 Marks)

4.
 - 4.1. Describe swallowing (40 Marks)
 - 4.2. List the functions of gastric acid (30 Marks)
 - 4.3. Briefly explain the mechanisms that protect the gastric mucosa from gastric acid (30 Marks)

 - 5.1. Define glomerular filtration rate (10 Marks)
 - 5.2. Describe the barriers involved in glomerular filtration (30 Marks)
 - 5.3. Briefly describe the forces in the glomerular capillaries that are involved in glomerular filtration (40 Marks)
 - 5.4. Explain the basis of albuminuria in glomerular disease (20 Marks)

6. Briefly describe:
 - 6.1. Regulation of Testosterone secretion (30 Marks)
 - 6.2. Functions of Oestrogen during pregnancy (35 Marks)
 - 6.3. Basis of doing urine test to confirm pregnancy (35 Marks)

