



UNIVERSITY OF JAFFNA, SRI LANKA
FACULTY OF ALLIED HEALTH SCIENCES
FIRST YEAR FIRST SEMESTER EXAMINATION BScHons (MLS)-2022

MLSAM 1154 Anatomy for MLS

Paper II

Date: 11.12.2023.

Time: 01 hour

ANSWER ALL THE QUESTIONS.

Answer each part in separate answer books.

PART A

1. 1.1. Draw the labeled diagram of a motor neuron? (30 Marks)
- 1.2. Differentiate between striated(skeletal) and smooth muscles and also highlight their functions.? (40 Marks)
- 1.3. Briefly highlight the functions of connective tissues? (30 Marks)

PART B

2. 2.1. Write short notes on the followings:
 - 2.1.1 X-linked Inheritance. (10 Marks)
 - 2.1.2 Genotype (10 Marks)
 - 2.1.3 Phenotype (10 Marks)
 - 2.1.4 Chromosome (10 Marks)
 - 2.1.5 Allele (10 Marks)
- 2.2. Draw a simple diagram of spermatozoa and label the main parts of it. (10 Marks)
- 2.3. Define Fertilization? (03 Marks)
- 2.4. Mention the common place for Fertilization and List the phases of Fertilization, (15 Marks)
- 2.5. Write 05 parameters of the fetus which are measured with Ultrasound scan. (10 Marks)
- 2.6. Mention 06 causes for IUGR. (12 Marks)

PART C

3. 3.1. Write notes on Anatomy of heart valves. (40 marks)
- 3.2. Briefly describe about pericardium and its functions (30 marks)
- 3.3. List the structures pass through the hilum of the left lung (30 marks)

4. 4.1 Briefly describe about gross anatomy of large intestine. (40 marks)
4.2 Write notes on larynx. (30 marks)
4.3 List the structures related to oesophagus. (30 marks)

PART D

5. 5.1 5.1.1 Write short notes on Spinal cord regarding its Location, Coverings, Structure and Cross-sectional structure. (40 Marks)
5.1.2 What are the main spinal levels and how many spinal nerves originates from each of them? (20 Marks)
- 5.2 5.2.1 What are the main constituents of the bone tissue and mention their functions? (20 Marks)
5.2.2 What are the bones forming the thoracic cage? (16 marks)
5.2.3 Mention the terms used for Proximal and Distal attachments of the skeletal muscle. (04 marks)
6. 6.1 Briefly describe the anatomy of the kidneys regarding its Gross and Microscopic structure. (50 Marks)
6.2 Write 05 functions of the kidney. (10 Marks)
6.3 Write short notes on anatomical structure of a non-gravid uterus. (25 Marks)
6.4 What are the parts of male urethra and mention the locations of them? (15 Marks)

