

**UNIVERSITY OF JAFFNA, SRI LANKA**  
**FACULTY OF ALLIED HEALTH SCIENCES**  
First Year First Semester examination in BScHons (Nursing)-2022  
NURAN 1153 Anatomy for Nurses I

**Paper II**

Date: 11.12.2023

Time: 02 hours

**ANSWER ALL THE SIX 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.? (40Marks)
- 1.3. Briefly highlight the functions of connective tissues? (30Marks)
  
2. 2.1. Write short notes on the followings:
  - 2.1.1 X-linked Inheritance. (20 Marks)
  - 2.1.2 Mutations (20 Marks)
  - 2.1.3 Genotype (20 Marks)
  - 2.1.4 Phenotype (20 Marks)
  - 2.1.5 Downs syndrome (20 Marks)

**PART B**

3. 3.1 Briefly comment on Polymerase Chain Reaction (PCR). (25 Marks)
- 3.2 What is the difference between somatic and germ line cells? (20 Marks)
- 3.3 Describe the functions of respiratory system? (20 Marks)
- 3.4 Write a short note on intercostal space. (35 Marks)

**PART C**

4. 4.1 4.1.1 What is synovial joint? (10 Marks)
- 4.1.2 Briefly describe the features of a typical synovial joint? (30 Marks)
- 4.1.3 Give 3 examples for synovial joint? (30 Marks)
  
- 4.2 Describe about pectoralis major muscle. (30 Marks)

5. 5.1 5.1.1 Briefly describe about pleural cavity and space of lungs (30 Marks)  
and give 03 clinical conditions related to this?
- 5.1.2 List the parts of the upper respiratory system. (20 Marks)
- 5.1.3 Describe about diaphragm. (20 Marks)
- 5.2 List the blood vessel related of heart. (30 Marks)
6. 6.1 List 5 branches of abdominal aorta? (20 Marks)
- 6.2 Briefly describe the blood supply to the heart? (40 Marks)
- 6.3 List the layers of pericardium? (10 Marks)
- 6.4 Describe the veins of the lower limbs. (30 Marks)

