



**FACULTY OF MEDICINE, UNIVERSITY OF RUHUNA, GALLE.**

Second Examination for Medical Degrees - March 2003

**ANATOMY - PAPER II**

Friday 28<sup>th</sup> March, 2003

2.00 pm to 5.00 pm  
(3 hours)

*Answer All Five Questions.*

*Use diagrams where possible.*

*Answer each question in a separate book.*

1. 1.1 Describe the right kidney. (50 marks)  
1.2 Describe its posterior relations. (25 marks)  
1.3 Describe the development of the ureteric system. (25 marks)
  
2. 2.1 Describe the different types of capillaries and state why they are called the basic functional units of the circulatory system. (40 marks)  
2.2 Describe the fate of the vitelline veins. (30 marks)  
2.3 Describe the anatomical basis of broncho-pulmonary segmentaion. (30 marks)
  
3. 3.1 List the ascending tracts in the spinal cord. (15 marks)  
3.2 Describe briefly the pathway that transmits sensations originated from the tip of the middle finger when touched with a piece of cotton wool. (50 marks)  
3.3 State the clinical features in  
3.3.1 Syringomyelia.  
3.3.2 Tabes dorsalis. (20 marks)  
3.4 State briefly the anatomical basis for the clinical features of one of the Conditions in (3.3). (15 marks)
  
4. 4.1 Describe the venous drainage of the lower limb. (50 marks)  
4.2 Describe the anatomical basis for the occurrence and treatment of  
4.2.1. varicose veins (30 marks)  
4.2.2. the compartment syndrome. (20 marks)
  
5. Write short notes on  
5.1 First pharyngeal arch (25 marks)  
5.2 Innervation of the tongue. (25 marks)  
5.3 Microscopic appearance of the palatine tonsil. (25 marks)  
5.4 Second cervical vertebra. (25 marks)