



FACULTY OF MEDICINE, UNIVERSITY OF RUHUNA, GALLE.
Second Examination for Medical Degrees – December 2004
ANATOMY – PAPER II

Monday 06 December, 2004

2.00 pm to 5.00 pm
(3 hours)

Answer **ALL Five Questions.**

Use diagrams where possible.

Answer Each Question in a Separate Book.

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1.
 - 1.1 Display in a cross sectional diagram of the spinal cord at mid cervical region, the ascending and descending tracts. (40 marks)
 - 1.2 Describe the pathway of pain originating at the tip of the middle finger to the sensory cortex. (30 marks)
 - 1.3 Describe the development of the ventricular system of the brain. (30 marks)
 2. Describe the
 - 2.1 fascial compartments of the neck. (50 marks)
 - 2.2 action of the sternocleidomastoid muscle. (30 marks)
 - 2.3 embryological basis for the occurrence of a thyroglossal sinus. (20 marks)
 3.
 - 3.1 Explain the anatomical basis for the following clinical situations.
 - 3.1.1 Haematemesis in portal hypertension. (25 marks)
 - 3.1.2 Bleeding per rectum in internal haemorrhoids. (25 marks)
 - 3.1.3 Circumbilical pain in acute appendicitis. (25 marks)
 - 3.2 Describe briefly the development of the diaphragm. (25 marks)
 4.
 - 4.1 List the structures that are palpable during a rectal examination in the male and the female. (20 marks)
 - 4.2 Describe briefly the arrangement of the superficial fascia in the male perineum. (30 marks)
 - 4.3 Compare and contrast the microscopic structure of the vagina and oesophagus. (50 marks)
 5.
 - 5.1.1 Describe the gross anatomy of the pleura. (25 marks)
 - 5.1.2 State the anatomical basis for the procedure used in performing a right sided pleural tap. (25 marks)
 - 5.2 Describe the microscopic appearance of
 - 5.2.1 a fenestrated capillary. (25 marks)
 - 5.2.2 cardiac muscle. (25 marks)