

PRIMARY EXAMINATION

ANATOMY

Tuesday 3 December 2003

Time allowed: Two hours

INSTRUCTIONS TO CANDIDATES

The complete examination in Anatomy is in two parts:

This paper which is worth 75% of the final mark;

The viva which is worth 25% of the final mark.

This examination paper is set in **TWO** parts

Attempt **ANY TWO** questions from Section **A**,

And **ANY EIGHT** questions from Section **B**.

Section A. Each of the **TWO** essays you are required to attempt is worth 25% of the final mark for Anatomy.

1. Describe how the head and neck, including the brain and cranial cavity, are drained of venous blood.
2. Describe in detail the facial nerve in terms of its: origin from nuclei in the brain stem, course, supply and communications with other nerves.
3. How is the sphenoid bone constructed and articulated, and how does it contribute to anatomical regions of the skull? Include in your answer the anatomical “relations”, or in other words, the soft tissues which lie in contact with, and within 5mm of the sphenoid bone.
4. Write an essay on the pharynx in relation to the following:
 - a. mucosa and its specialisations
 - b. muscles
 - c. nerves – all functional components of motor and sensory
 - d. arteries and communications or anastomoses of
 - e. veins which drain the region
 - f. lymphatic drainage

Section B. This Section (Question 5) is **COMPULSORY**.
It is worth 25% of the final mark for Anatomy.
Each sub-question (a-j) is worth 3% of the final mark for Anatomy.

5. Answer ANY 8 of the following 10 questions briefly:
- a. With which bones does the maxillary bone articulate?
 - b. Which structures are supplied by the superior cervical sympathetic ganglion?
 - c. Which hard & soft tissues lie in contact with the frontal bone?
 - d. List all the arteries in the cranial cavity, both meningeal and cerebral.
 - e. Which muscles move the mandible?
 - f. Describe, briefly, the course and supply of the vertebral artery.
 - g. Which sensory nerves supply the nasal cavity?
 - h. Draw a simple sketch of the hyoid bone to show the structures which attach to it.
 - i. What are the nerve origins of the Ansa Hypoglossi/Cervicalis and list the muscles it supplies?
 - j. List the structures supplied by the Glossopharyngeal nerve.