

PRIMARY EXAMINATION

ANATOMY

Tuesday 30 November 2004

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. Give an account of which muscles move the head and neck: their anatomical attachments, function, embryological origins and nerve supplies.
2. Many salivary glands drain into the oral cavity. Give an anatomical account of all the salivary glands, including how they drain saliva into the oral cavity and how they receive their secretomotor innervation.
3. Describe how the whole oral mucosa including alveolar bone and teeth (pulp and periodontal membranes), receive their sensory nerve supplies.
4. Write an essay on the larynx in relation to the following:
 - a. cartilaginous skeletal components
 - b. intrinsic muscles
 - c. nerves – all functional components of motor and sensory
 - d. arterial supply and anastomotic connections
 - 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. Which bones are involved in the pharynx?
- b. What are the distributions of the postganglionic fibres of the cervical sympathetic ganglia?
- c. Which hard & soft tissues lie in contact with the occipital bone?
- d. List all the branches of the maxillary artery.
- e. What are the attachments of the lateral & medial pterygoid muscles?
- f. Describe, briefly, the course and supply of the internal carotid artery.
- g. Which sensory nerves supply the pharynx?
- h. Draw a simple sketch of the mylohyoid muscle to show the structures which lie within 5 mm of the muscle.
- i. What do you understand by the cervical plexus: give some examples of nerves involved?
- j. List the structures supplied by the ophthalmic nerve.