



ROYAL AUSTRALASIAN COLLEGE
OF
DENTAL SURGEONS

INCORPORATED
ABN 97 343 369 579

PRIMARY EXAMINATION

ANATOMY

Tuesday 29 November 2005

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**.
PLEASE DO SECTION A & B in SEPARATE BOOKS
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 skeletal anatomy (bones, cartilages and joints) which make up the head and neck. Include in your answer, the movements which occur at the various joints.
2. Which motor (efferent) nerves move structures in and around the face and jaws. Describe, the CNS origins of these nerves, their courses and the muscles they move.
3. Clinical scenario: You administer an Inferior Alveolar Block and the patient's face on that side becomes paralysed within 5 minutes of the injection. Explain what has happened by describing the course of the needle from the point of penetration through the oral mucosa to the delivery of LA solution. Give an account of all the anatomical structures which were within 1cm of the needle in its track to the injection site.
4. Write an essay on the maxillary nerve and its complete distribution including communications with the autonomic nervous system.

~ End of Section A ~



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PLEASE WRITE THIS SECTION IN A SEPARATE BOOK

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 muscles attach to the sphenoid bone?
- b. What are the distributions of the postganglionic fibres of the ciliary parasympathetic ganglion?
- c. Which hard & soft tissues lie in contact with the zygomatic bone?
- d. Which muscles attach to the first cervical vertebra (atlas)?
- e. List the nerves which lie on the outer surface of sternomastoid muscle.
- f. Describe, briefly, the course of the retromandibular vein and list the veins which drain into it.
- g. List the structures which pass through the superior orbital fissure.
- h. Draw a simple sketch of the mylohyoid muscle to show the structures which lie within 5 mm of the muscle.
- i. Describe the recurrent laryngeal nerve, and its regions of supply.
- j. List the structures supplied by the glossopharyngeal nerve.