



ROYAL AUSTRALASIAN COLLEGE
OF
DENTAL SURGEONS
INCORPORATED
ABN 97 343 369 579

PRIMARY EXAMINATION IN
ANATOMY

MONDAY 26 November 2007

Time allowed: **Two hours**

INSTRUCTIONS TO CANDIDATES
PLEASE WRITE SECTION A & B in SEPARATE BOOKS
The complete examination in Anatomy is in two parts:
This paper is worth 75% of the final mark;
The viva 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 is worth 25% of the final mark for Anatomy.

1. The cavernous sinus is a key region in the cranial cavity. Describe its anatomy, venous communications and all structures lying within 1cm of it.
2. Describe the pharynx, and its function. Include the nerve and arterial blood supply, venous drainage and lymphatic drainage in your answer.
3. Clinical scenario: You extract an upper right first molar and the next day the patient complains of air blowing from the extraction socket into the mouth every time she sneezed. Explain the possible causes of the problem with particular emphasis on the detailed anatomy of the maxilla and maxillary sinus.
4. Write an essay on the whole Trigeminal nerve, including: its nuclei in the brain stem; intra-cranial and extra-cranial distribution.

~ 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 move the tongue, and in what direction?
- b. What are the distributions of the postganglionic fibres of the submandibular parasympathetic ganglion?
- c. What is the arterial supply of the intracranial meninges?
- d. List the intrinsic muscles of the larynx.
- e. Which structures are supplied by the ansa hypoglossi (cervicalis)?
- f. List the venous communications of the pterygoid plexus of veins.
- g. Which structures lie within the jugular foramen?
- h. Draw a simple sketch of the hyoglossus muscle to show the structures which lie within 1cm of this muscle.
- i. Describe, briefly, the oculomotor nerve, and its regions of supply.
- j. Which cutaneous (skin) regions are supplied by the 2nd cervical nerve?

~ End of Paper ~