



ROYAL AUSTRALASIAN COLLEGE OF SURGEONS

Fellowship Examination 2011

Neurosurgery

Written Paper One

Tuesday 16 August 2011

Reading Time:

Writing Time:

QUESTION BOOK

<i>Section</i>	<i>Number of Questions to be Answered</i>
One - Essay Questions	1
Two - Short Answer Question	2

Candidates are permitted to bring into the examination room:

- Pens
- Pencils
- Erasers

Candidates are not permitted to bring into the examination room:

- Blank sheets of paper
- White-out liquid/tape

Materials supplied:

- Question Book of 4 pages
- Answer Book

Instructions to candidates:

- Write your candidate number on the front of each Answer Book.
- Write your response in the Answer Book provided.
- All answers must be written in English.

At the end of the examination, candidates are to leave the Question Book and Answer Book on their desk.

Candidates are not permitted to remove the Question Book from the examination room.

Candidates are NOT permitted to bring mobile phones and/or any other unauthorised devices into the examination room.

Section One: Essay Question

Write your response in the answer book provided.

Clearly number the question you are answering.

Question 1

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Section Two - Short Answer Questions

Write your response in the answer book provided.

Clearly number the question you are answering.

Question 2

Write short notes which illustrate your knowledge of the following:

- (A) List the etiology, diagnosis and treatment of the syndrome of inappropriate antidiuretic hormone secretion.
- (B) Describe the clinical, radiological and investigative features to distinguish Alzheimer's dementia and normal pressure hydrocephalus.
- (C) Compare the options for treatment of a shunt infection in an adult and discuss the advantages/disadvantages and results of the different approaches.
- (D) Compare the treatment options for recurrent pituitary dependant Cushings disease and evaluate the advantages/disadvantages of each approach.

Question 3

- (A) Describe the anatomy of the trigeminal nerve. Include a detailed description of the brain stem nuclei and tracts and include a diagram of a cross-section of the mid pons with its relationship to important ling-tract pathways.
- (B) Describe the anatomy of the trigeminal cavum.
- (C) List the 3 principle branches of the trigeminal nerve and include their distal supply and the relationships to structures in the cavernous sinus and superior orbital fissure (a diagram will be adequate).



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Neurosurgery

Written Paper Two

Tuesday 16 August 2011

Reading Time:

Writing Time:

QUESTION BOOK

<i>Section</i>	<i>Number of Questions to be Answered</i>
One - Essay Questions	2
Two - Short Answer Questions	1

Candidates are permitted to bring into the examination room:

- Pens
- Pencils
- Erasers

Candidates are not permitted to bring into the examination room:

- Blank sheets of paper
- White-out liquid/tape

Materials supplied:

- Question Book of 5 pages
- Answer Book

Instructions to candidates:

- Write your candidate number on the front of each Answer Book.
- Write your response in the Answer Book provided.
- Clearly number the question you are answering.
- All answers must be written in English.

At the end of the examination, candidates are to leave the Question Book and Answer Book on their desk.

Candidates are not permitted to remove the Question Book from the examination room.

Candidates are NOT permitted to bring mobile phones and/or any other unauthorised devices into the examination room.

Section One – Essay Questions

Write your extended response for each question in the Answer Book provided.

BOTH questions are to be answered.

Question 1 & 2

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Section Two – Short-Answer Question

Write your response in the Answer Book provided.

Clearly number the question you are answering.

Question 3

Write short notes which illustrate your knowledge of the following:

- (A) Define your management regime of a patient on warfarin who requires urgent evacuation of an acute subdural haematoma.
- (B) List the classification of hangman's fracture.
- (C) Describe the management of acute traumatic CSF rhinorrhea occurring on day 1 post-trauma. Describe the management if the CSF leak is persistent on day 14.
- (D) List the structural pathological differences between type 1 and type 2 Arnold Chiari malformation.
- (E) Explain the steps in the WHO approved time out for surgical procedures.
- (F) Review the evidence for the use of the various skin preparation compounds in neurosurgical operations.

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