



OPHTHALMIC PATHOLOGY EXAMINATION SEMESTER 1 2011

PAPER 1 FRIDAY 25 FEBRUARY 2011

INSTRUCTION TO CANDIDATES

- You are now sitting Paper 1 of the Semester 1 2011 RANZCO Ophthalmic Pathology Examination.
- This examination paper, Paper 1, consists of TWO parts, Part A & Part B.
 - There are FOUR questions in Part A, and EIGHT questions in Part B.
 - Within each Part, the questions are of equal value.
- The duration of this examination is 2.5 hours.
 - Examiners recommend that you allocate 30 minutes to answering Part A, and 2 hours to Part B.
- Write your answers to the questions in the writing pad provided to you.
- You MUST write your exam number in the box at the top right hand corner of EVERY PAGE on which you write your answers.
- Neither your name nor any evidence of your identity must appear on any part of the writing pad.
- You must number your answers clearly.
- Do not write your answer on the reverse side of any page.
- You may use pages of the answer pad for writing notes. Notes must be crossed out.
- Whatever you cross out the examiners will not mark.
- Please use black pen for your answers to facilitate photocopying.
- Write legibly so that so that examiners can understand your answers and give you full credit for them.
- If you wish to leave the examination early, you must inform the Invigilator.
- To eliminate the possibility of disturbance candidates will not be allowed to leave an examination room during the first thirty minutes of the examination, and the last twenty minutes of the examination.
- At the end of the examination, please leave ALL examination material (question paper, writing pad, paper for scribbling notes, etc) on your desk.

PAPER 1 PART A

Question 1

- (a) Describe the histological appearance of plasma cells.
- (b) Describe their role in immunity

Question 2

Describe the process of metastases via the blood stream by malignant neoplasm.

Question 3

Describe the process of Thrombosis and the factors that may predispose to it.

Question 4

Flow cytometry is a useful ancillary laboratory test to investigate orbit lymphoid infiltration. For Flow cytometry describe the type of tissue required for analysis, the technique and how the results may contribute to diagnosis.

PAPER 1 PART B

Question 1

Describe the ophthalmic clinical and pathological manifestation of rheumatoid disease.

Question 2

Outline the pathogenesis and clinical and pathological features of retinopathy of prematurity.

Question 3

Describe the clinical and pathological characteristics, including prognostic factors, of squamous cell carcinoma of the eyelid.

Question 4

- (a) Define and list possible causes of Keratectasia.
- (b) Describe the pathological features of keratoconus.

Question 5

Outline the clinical and pathological characteristics of persistent hyperplastic primary vitreous.

Question 6

Describe the clinical and pathological characteristics of ocular lens related glaucoma.

Question 7

Describe the ophthalmic manifestations, including pathogenesis and histopathology of infection with toxocara canis.

Question 8

Outline the ophthalmic manifestations of neurofibromatosis including a description of the histopathological features of plexiform neurofibroma.