



# The Royal Australian and New Zealand College of Ophthalmologists

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## OPHTHALMIC BASIC SCIENCE EXAMINATIONS GENERAL PATHOLOGY 25 September 2006

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Duration of paper: 1 hour

Total No of Questions: 4

Total Marks: 60

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### Question 1

15 marks

Discuss apoptosis with regard to the following areas;

- (a) Morphologic features of cells undergoing apoptosis
- (b) The physiologic role of apoptosis
- (c) The role of apoptosis in tumours

### Question 2

15 marks

(a) Briefly define cell mediated immunity.

(b) What role does cell mediated immunity play in corneal transplant rejection.

### Question 3

15 marks

Discuss the process of tumour metastasis.

### Question 4

15 marks

Describe the process of wound healing in the eyelid.

**END OF PAPER**