



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

PRIMARY EXAMINATION 2005  
**PATHOLOGY**

Time allowed: **Two hours**  
Wednesday 30 November 2005

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INSTRUCTIONS TO CANDIDATES

Answer any ONE (1) question from Section A.  
Answer any TWO (2) questions from Section B.  
Answer any TWO (2) questions from Section C.

Answer sections A, B and C in separate booklets. The mark values are as shown for the questions in each section. Maximum marks = 150.

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**Section A** (answer **one** question: 50 marks)

1. Explain how increased vascular permeability develops in inflammation. How is it useful in the host defence response? How does it manifest clinically?
2. Using appropriate examples, explain the terms initiation, promotion and progression with reference to carcinogenesis.

**Section B** (answer **any two** questions: 25 marks each)

3. What are the components of granulation tissue? Comment briefly on the mechanisms involved in its development.
4. What is thrombocytopenia? How may it develop? How does it manifest clinically?
5. Write briefly about disseminated intravascular coagulation.

**Section C** (answer **any two** questions: 25 marks each)

6. Comment on the statement: "Asthma is an example of a type I hypersensitivity response".
7. How does chronic inflammation differ from acute inflammation?
8. Write briefly about cytological abnormalities that may be observed in malignant neoplasms.