

PRIMARY EXAMINATION

**HISTOLOGY**

Wednesday 4 December 2002

Time allowed: Two hours

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INSTRUCTIONS TO CANDIDATES

The complete examination in Histology is in two parts:

This paper which is worth 75% of the final mark;

The viva which is worth 25% of the final mark.

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**Section A**

**Each of the TWO essays you are required to attempt is worth 25% of the final mark in Histology.**

1. Describe in detail the structure and development of the periodontal ligament/cementum complex.
2. Give a detailed account of the histology of the tongue.
3. Describe the junction between the enamel and dentine and the impact of this junction on clinical dentistry. Include in your answer a description of the development of the junction.
4. Discuss saliva and salivary glands from both a clinical and histological perspective.

**Section B**

**This section is worth 25% of the final mark for Histology.**

5. Answer any SIX of the following 8 questions (each is of equal value).
- (a) Write short notes on the cellular processes associated with protein formation.
  - (b) Describe the histology of the pulp.
  - (c) Compare and contrast the histological features of periodontal ligament and dental pulp.
  - (d) Describe the development of a tooth from cap to the end of bell stage.
  - (e) Write brief notes on the histology of the lip.
  - (f) Describe the key histological features of enamel and relate them to dental practice.
  - (g) Describe the key histological features of bone.
  - (h) Write brief notes on the different mucous membranes of the oral cavity.

End of paper