



The Royal College of **Pathologists**

Pathology: the science behind the cure

**Part 1 examination**

**Oral Pathology: First paper**

**Tuesday 20 March 2018**

*Candidates must answer six short answer questions and two essay questions*

**Time allowed: 3 hours**

**Section A: Short Answer Questions (answer six from eight):**

1. Write short notes on myoepithelial tumours of soft tissue and bone.
2. Discuss the handling of lymph node biopsies in the histopathology laboratory.
3. Using direct immunofluorescence, which criteria distinguish the autoimmune mucocutaneous vesiculobullous diseases?
4. Write short notes on:
  - a) SOX-10
  - b) brachyury
5. Outline the histological, immunohistochemical and molecular diagnosis of nodular fasciitis.
6. Discuss the diagnostic histopathological applications of antibodies to cytokeratins 7 and 20.
7. Write short notes on:
  - a) mechanisms of fungal pathogenesis
  - b) "mitosoid bodies"
8. Write short notes on tumour-infiltrating lymphocytes.

**Section B: Essays (answer two from three):**

1. What is the histological differential diagnosis of a spindle cell neoplasm of the skin of the scalp? Outline how you would establish a definitive diagnosis.
2. Describe the clinicopathological varieties of osteosarcoma.
3. Discuss the role of Epstein-Barr virus in disease.