



THE COLLEGES OF MEDICINE OF SOUTH AFRICA

Incorporated Association not for gain
Reg No 1955/000003/08

Final Examination for the Fellowship of the College of Dentistry of South Africa - Prosthodontics

21 February 2019

Paper 1

(3 hours)

All questions are to be answered. Each question to be answered in a separate book (or books if more than one is required for the one answer)

- 1 Discuss the principles that you would consider when rehabilitating a patient with a maxillary tumour, requiring a maxillary intra-oral prosthesis from prior to surgical resection until delivery of the definitive prosthesis. [20]
- 2 The success of removable partial dentures (RPD) depends largely on adequate retention and support. Discuss the biomechanical basis of support and retention in RPD's. Include in your discussion ways to obtain adequate support and retention in **all** classifications of removable partial dentures. [25]
- 3 Review the current concepts in the etiology and management of denture stomatitis. [10]
- 4 Give the latest definition of MPDS (Myo Facial Pain Dysfunction Syndrome) and discuss the etiology of MPDS with emphasis on the different theories of its etiology. [20]
- 5 Implant treatment in individuals with a history of periodontitis – associated tooth loss may pose a risk for a greater likelihood of implant problems.
 - a) Give a systematic review towards the principles and outcome of implant treatment in periodontitis – susceptible patients. [15]
 - b) Implant design and implant surfaces play a prognostic role in the long-term success of these patients. Defend this statement. [10]
- 6 There has been some debate in the dental literature about the use of the phrase "Standard of care". What are your views on this topic taking both developing and developed countries into consideration? [20]



THE COLLEGES OF MEDICINE OF SOUTH AFRICA

Incorporated Association not for gain
Reg No 1955/000003/08

Final Examination for the Fellowship of the
College of Dentistry of South Africa - Prosthodontics

22 February 2019

Paper 2

(3 hours)

All questions are to be answered. Each question to be answered in a separate book (or books if more than one is required for the one answer)

- 1 The “all – on – four “treatment” concept offers a predictable way to treat the atrophic jaw in patients to avoid surgery and associated morbidity as well as to reduce treatment costs. Discuss this concept. [20]
- 2 Discuss the current evidence for the effectiveness and long-term success of short and narrow implants used as a treatment option in the rehabilitation of edentulous atrophic alveolar ridges. [20]
- 3 Some schools of thought believe that treatment should strive to save a tooth rather than place an implant. What literature evidence is available to support this statement? Substantiate your answer. [20]
- 4 The role of occlusion in Periodontitis has been controversial for many years. The question is often asked whether occlusal forces can contribute to periodontal destruction. Discuss the role of occlusal forces as a risk factor for periodontal disease. [20]
- 5 Dentine bonding agents have evolved over the past years to their current position.
 - Critically review the factors that have necessitated their evolution.
 - Give your view on how the products have overcome the challenges, include the relevance of the smear layer and its impact on dentine bonding. [20]
- 6 Discuss the advantages of the newly developed MTA – based, **silicon-based** and bio ceramic-based root canal sealers, over traditional ZOE-root canal sealers, the resin-based sealers and Calcium Hydroxide-based sealers, with specific emphasis on the following three factors.
 - Sealing ability.
 - Biocompatibility.
 - Bioactive ability. [20]