



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

27 February 2020

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 Antibiotic use and overuse is a major concern in medicine and dentistry
 - a) Discuss antibiotic use in endodontics (both local and systemic for prophylaxis +/- therapeutic use). (10)
 - b) Discuss prophylactic use of antibiotics in cardiac patients or those who have had joint replacement surgery when carrying out endodontics. (10)[20]
- 2 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]
- 3 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]
- 4 Porcelain-fused-to-metal (PFM) crowns and bridges have been the major types of restorations used in fixed prosthodontics for 50 years. The success of these restorations is well documented. However, the quest for metal-free crowns and bridges have gone on for many years. Presently, many new concepts for all-ceramic restorations have been introduced. Evaluate/appraise the potential for the newer all-ceramics to compete with PFM crowns and bridges. [30]
- 5 Men have more square shaped teeth than women. Darker people have lighter teeth than paler persons. Older patients should have darker teeth. Men and old people don't really care about the shade or aesthetics of their dentures as long as they can chew and eat with them. The dental literature is replete with stereotypes and mis-information. What factors will you consider when selecting denture teeth for an edentulous patient? [20]
- 6 Discuss the complications and consequences of prosthodontic treatment for patients with xerostomia. [20]
- 7 Provide a systematic approach of the assessment of a patient referred to you with a possible TMD, in order to reach a clinical diagnosis. Give appropriate (clinical and/or scientific) motivation for each step. [20]



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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 Discuss your approach to managing a patient who shows evidence of considerable tooth wear. [30]
- 2 Biomaterials in endodontics is currently an evolving component in clinical dentistry. Discuss this statement. [20]
- 3
 - a) Outline the physiology of extraction socket repair and bone healing. (10)
 - b) The sequence of treatment, including healing periods, in particular with reference to implant placement and loading including use of block bone grafts. (10) [20]
- 4 The topic of “periimplantitis” is highly controversial. Should ‘periimplantitis” be even considered a disease or whether marginal bone loss would represent a complication of having a foreign body placed in the oral cavity. Discuss periimplantitis as a complication of a foreign-body or a man-made disease. [20]
- 5 The evidence regarding the value of maintenance protocol regarding implants is sparse compared with the one for teeth. However, implants do require lifelong maintenance. Discuss the key points of Maintenance Therapy for dental implants. [20]
- 6 Mandibular Kennedy Class 1 cases requiring metal-based partial dentures to oppose a natural maxillary dentition are difficult cases to manage. Discuss the challenges associated with the mandibular denture and management strategies to overcome these problems. [20]
- 7 Discuss the current evidence for the effectiveness and clinical outcomes over long term for the use of short and narrow implants as a treatment option in the rehabilitation of edentulous atrophic alveolar ridges. [20]