



## THE COLLEGES OF MEDICINE OF SOUTH AFRICA

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

### Part I Examination for the Fellowship of the College of Dentistry of South Africa - Prosthodontics

1 March 2018

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)*

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- 1 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. [35]
- 2 Compare the maintenance demands of mandibular implant supported overdentures with that of a fixed implant supported mandibular prosthesis. Can the implant supported overdenture provide cost-effective alternatives to more complex fixed implant prosthodontic procedures? [20]
- 3 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]



- 4 Discuss the complications and consequences of prosthodontic treatment for patients with xerostomia. [20]
- 5 Discuss your approach to handling/managing a patient who shows evidence of considerable tooth wear. [30]

- 6 Biomaterials in endodontics is currently an evolving component in clinical dentistry. Discuss this statement. [20]
- 7 Discuss the principles guiding the prosthodontic management of a cancer patient with a healed post-operative intra-oral palatal defect. Do not discuss clinical procedures, but rather the philosophies supporting the design principles for the prostheses for different clinical scenarios. [20]
- 8 Dental Implants vs Endodontic therapy. Which makes the better choice? [15]



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### Part I Examination for the Fellowship of the College of Dentistry of South Africa - Prosthodontics

2 March 2018

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)*

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- 1
  - a) Outline the physiology of extraction socket repair and bone healing. (12)
  - b) Discuss the application of these principles to
    - i) Early and immediate loading of implant fixtures. (6)
    - ii) Immediate placement and loading. (6)
    - iii) The sequence of treatment, including healing periods, in particular with reference to implant placement and loading in particulate and block bone grafts. (6)
- 2 Discuss the approach to the assessment of patients requiring radiation treatment for malignant tumours, including the consideration of implant supported functional rehabilitation. [20]
- 3 All-ceramic restorative systems of various compositions, properties and indications are available to the Prosthodontist. He/She therefore faces questions and decisions when choosing the appropriate system and appropriate means of cementation. Discuss the cementation of current all-ceramic systems and make clinical recommendations appropriate to each type of cement. [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 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 reduced treatment costs. Discuss this concept. [30]
- 6 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]
- 7 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]

- 8 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) motivations for each step. [20]