

MAHARASHTRA PUBLIC SERVICE COMMISSION

Syllabus of the screening test for recruitment of Dental Surgeon (Group -B), Maharashtra Medical Education and Research Service, under Medical Education and Research Department and Dental Surgeon (Group -B), General State Services under Public Health Department of the Govt. of Maharashtra.

Standard : Suitable to the post.
Medium : English
Nature of the Paper : Objective type

Maximum Marks : 100
Duration : One Hour

1) Anatomy, Physiology, Biochemistry, Pathology, Microbiology, Pharmacology, Medicine and Surgery as applied to dentistry

- 1.1) Anatomy- i) Muscles of mastication ii) T.M.J. iii) Tongue and Oral mucosa
iv) Salivary Glands v) Dental Morphology
- 1.2) Physiology & Biochemistry - i) Blood ii) Bone iii) Functions of Saliva
- 1.3) Pathology and Microbiology - i) Inflammations and Infections ii) Neoplasias
iii) Degeneration iv) Sterilization procedures, aseptic techniques & disinfections
v) Pathogenic organisms of common occurrence.
- 1.4) Pharmacology - i) Anaesthetics ii) Analgesics iii) Antibiotics
iv) Pharmacotherapy of common oral conditions
- 1.5) Medical emergencies in dental practice
- 1.6) Various aspects of Surgical Principles as related to Oro dental diseases.

2) Conservative dentistry and Endodontics

- 2.1) Dental Caries
- 2.2) Principles of Cavity preparation
- 2.3) Tooth Vitality tests
- 2.4) Diagnosis and Treatment Planning
- 2.5) Restorative dentistry
- 2.6) Endodontics - various endodontic procedures including emergency procedures
- 2.7) Pulpal and Periapical diseases and their management
- 2.8) Dental Materials

3) Oral and Maxillofacial Surgery

- 3.1) Infection control and cross-infection control
- 3.2) Asepsis
- 3.3) Anesthetic Considerations
- 3.4) Exodontia - instruments, procedures & complications
- 3.5) General considerations of traumatic injuries of the Jaws
- 3.6) Surgical Management of common oral conditions such as cysts, tumours, infections etc.

4) Oral Medicine & Radiology

- 4.1) Importance of medical history
- 4.2) Premalignant lesions, conditions & oral malignancies
- 4.3) Common oral ulcerative lesions
- 4.4) Radiographic techniques & interpretations & RVG

5) Orthodontics

- 5.1) General principles of orthodontic treatment
- 5.2) Materials used in the construction of various orthodontic appliances
- 5.3) Removable appliances.

6) Pediatric & Preventive dentistry

- 6.1) Behaviour Management & various preventive treatment modalities in a child patient
- 6.2) Dental care of children with special needs
- 6.3) Dental emergencies in children and their management.
- 6.4) Special emphasis on Pit & fissure sealants & flourides.

7) Periodontology

Various Gingival & Periodontal diseases & their etiology & management.

8) Prosthodontics

- 8.1) Diagnosis, Indications, Fabrication, Delivery & post operative follow up in Partial Denture, Complete Denture & fixed prosthesis patients.
- 8.2) Dental Materials

9) Public Health Dentistry

- 9.1) General Epidemiology
- 9.2) Environmental health with emphasis on waste disposal
- 9.3) Health educations aids
- 9.4) Survey procedures
- 9.5) Various Community related services
- 9.6) Practice management & maintenance of records, dead stock, accounts and audit.

10) Oral Implantology

A brief introduction to various implant systems in practice

11) Aesthetic Dentistry

- 11.1) Bleaching of teeth
- 11.2) Veneers with various materials
- 11.3) Ceramics

12) Forensic Odontology

Examination of dental evidence with proper evaluation & presentation of dental findings

13) Ethics

- 13.1) WHO declarations and DCI code of ethics
- 13.2) Local Governing bodies

14) Recent Advances in Dentistry

NOTE: - EMPHASIS WILL BE GIVEN TO THE CLINICAL ASPECTS OF EACH SUBJECT ENCOUNTERED IN DAY- TO- DAY DENTAL PRACTICE.
