

**QP Code: PCB101**

**MDS[Prosthodontics and Crown & Bridge]**

BF/2020/07

**Applied Anatomy, Physiology, Pathology, and  
Dental Materials**

[Paper-I]

[New Scheme w.e.f. 2008 admission]

**Time : 3 Hours**

**Max Marks. : 75**

- Note:* 1.) ***Attempt all questions.***  
2.) ***NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.***  
3.) ***The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.***

1. Discuss Occlusal Disharmony and its relation with Temporomandibular Disorders and methods to diagnose and treat these.

[25]

2. **Write Short Notes on:**

[5x10=50]

- (a) Mention with reasons various casting defects and methods to prevent it
  - (b) Nutrition in complete denture patients and importance of Balanced Diet
  - (c) Development of Mandible
  - (d) Denture Stomatitis and its management
  - (e) Mention about Sialogogue and Anti-sialogogue drugs and its role in Prosthetic Rehabilitation of Geriatric patients.
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**QP Code: PCB102**

**MDS[Prosthodontics and Crown & Bridge]**

BF/2020/07

**Removable Prosthodontics and Oral Implantology**

[Paper-II]

[New Scheme w.e.f. 2008 admission]

**Time : 3 Hours**

**Max Marks. : 75**

- Note: 1.) *Attempt all questions.*  
2.) *NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.*  
3.) *The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.*

1. Elaborate on Stress Control Measures in distal extension partial denture. [25]
2. Write Short Notes on : [5x10=50]
- (a) Concept of Esthetics in Complete Denture
- (b) Bar design in Overdentures
- (c) Occlusal Splints
- (d) Role of Articulators
- (e) Role of tissue conditioners & resilient liners in Complete Denture Service
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**QP Code: PCB103**

**MDS[Prosthodontics and Crown & Bridge]**

BF/2020/07

**Fixed Prosthodontics**

[Paper-III]

[New Scheme w.e.f. 2008 admission]

**Time : 3 Hours**

**Max Marks. : 75**

- Note:* 1.) *Attempt all questions.*  
2.) *NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.*  
3.) *The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.*

1. Discuss Pankey- Mann Schuler v/s Hobo Twin Stage Technique for full mouth rehabilitation patients.

[25]

2. Write Short Notes on :

[5x10=50]

- (a) Zeroing of articulator- Why and how ?  
(b) Polyether v/s Polyvinylsiloxane as FPD and Implant supported prosthesis impression material  
(c) Glass Based Ceramic v/s Polycrystalline Ceramics  
(d) Prosthetic management of TMJ Disorders  
(e) Principle behind retention in Fixed dental prosthesis and Factors affecting retention and resistance form
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**QP Code: PCB104**

**MDS[Prosthodontics and Crown & Bridge]**

BF/2020/07

**Essay**

[Paper-IV]

[New Scheme w.e.f. 2008 admission]

**Time : 3 Hours**

**Max Marks. : 75**

- Note: 1.) ***NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.***  
2.) ***The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.***

**Write an essay on any one of the topic :**

**[75]**

1. Occlusion in Prosthodontics

**OR**

2. Implantology in Dentistry.

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**QP Code: PER101**

**MDS[Periodontology]**

BF/2020/07

**Applied Anatomy, Physiology,  
Biochemistry, Pathology and Pharmacology**

[Paper-I]

[New Scheme w.e.f. 2008 admission]

**Time : 3 Hours**

**Max Marks. : 75**

- Note:* 1.) *Attempt all questions.*  
2.) *NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.*  
3.) *The Student must write O.P. Code in the space provided on the Title Page of the Answer Book.*

1. Describe the sequence of biochemical and morphological events in Gingival Keratinization.

[25]

2. Write Short Notes on :

[5x10=50]

- (a) Role of Vitamin D in Periodontal Disease
  - (b) Cells of Immunity and Inflammation
  - (c) Biostatistics
  - (d) Blood Clotting Factors
  - (e) Use of Antiseptics and Disinfectants
-

**QP Code: PER102**

**MDS[Periodontology]**

BF/2020/07

**Etiopathogenesis**

[Paper-II]

[New Scheme w.e.f. 2008 admission]

**Time : 3 Hours**

**Max Marks. : 75**

- Note: 1.) *Attempt all questions.*  
2.) *NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.*  
3.) *The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.*

1. Describe the molecular biology of Host- microbial interaction in Periodontal Disease.

[25]

2. Write Short Notes on:

[5x10=50]

- (a) Current concepts in New- attachment
  - (b) Transendothelial Migration
  - (c) Role of Neuro- endocrine Mediators
  - (d) Diagnostic Biomarkers for Periodontal Disease
  - (e) Bio- film : Current Status
-

**QP Code: PER103**

**MDS[Periodontology]**

BF/2020/07

**Clinical Periodontology and Oral Implantology**

[Paper-III]

[New Scheme w.e.f. 2008 admission]

**Time : 3 Hours**

**Max Marks. : 75**

- Note: 1.) *Attempt all questions.*  
2.) *NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.*  
3.) *The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.*

1. Describe various regenerative procedures used in Periodontal Surgery, with a note on graft rejection and its prevention.

[25]

2. Write Short Notes on :

[5x10=50]

- (a) Evidence based Periodontal Therapy
  - (b) Antioxidants in Periodontal Therapy
  - (c) Interface between Mucosa and Implants
  - (d) Management of Furcation Defects
  - (e) Occlusal rehabilitation in Periodontics
-

**QP Code: PER104**

**MDS[Periodontology]**

BF/2020/07

**Essay**

[Paper-IV]

[New Scheme w.e.f. 2008 admission]

**Time : 3 Hours**

**Max Marks. : 75**

- Note: 1.) ***NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.***  
2.) ***The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.***

**Write an essay on any one of the topic :**

**[75]**

1. Write about the pathogenesis of drug induced Gingival Enlargement.

**OR**

2. Discuss about the reasons and the management of Hypersensitivity of Teeth.

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**QP Code: OMS101**

**MDS[Oral & Maxillofacial Surgery]**

BF/2020/07

**Applied Anatomy, Physiology and Pathology**

[Paper-I]

[New Scheme w.e.f. 2008 admission]

**Time : 3 Hours**

**Max Marks. : 75**

- Note:* 1.) ***Attempt all questions.***  
2.) ***NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.***  
3.) ***The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.***

1. Describe in detail about External Carotid Artery and it's method of ligation.

[25]

2. Write Short Notes on :

[5x10=50]

- (a) Pain Pathway
  - (b) Analgesics in Oral and Maxillofacial Surgery
  - (c) Tracheostomy
  - (d) Odontogenic Keratocyst (OKC)
  - (e) Inflammation
-

**QP Code: OMS102**

**MDS[Oral & Maxillofacial Surgery]**

BF/2020/07

**Minor Oral Surgery and Trauma**

[Paper-II]

[New Scheme w.e.f. 2008 admission]

**Time : 3 Hours**

**Max Marks. : 75**

- Note: 1.) *Attempt all questions.*  
2.) *NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.*  
3.) *The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.*

1. Write the clinical features, radiological investigations and management protocol of a Bilateral Displaced Condylar Fracture in a 40 year old Female. Mention the indication and advantage of endoscopic approach for condylar fracture reduction.

[25]

2. Write Short Notes on :

[5x10=50]

- (a) Indications of PRP & PRF  
(b) Light reflex in Ophthalmic Examination`  
(c) Advances in the management of Dry Socket  
(d) Oro- nasal Fistula Closure  
(e) Pre-requisites of Blood Transfusion in a Trauma Patient
-

**QP Code: OMS103**

**MDS[Oral & Maxillofacial Surgery]**

BF/2020/07

**Maxillofacial Surgery and Oral Implantology**

[Paper-III]

[New Scheme w.e.f. 2008 admission]

**Time : 3 Hours**

**Max Marks. : 75**

- Note:* 1.) ***Attempt all questions.***  
2.) ***NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.***  
3.) ***The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.***

1. Describe Zygomatic Complex Fractures, their clinical presentation & management.

[25]

2. Write Short Notes on :

[5x10=50]

- (a) Sagittal Split Osteotomy  
(b) Growth Factors  
(c) Pleomorphic Adenoma  
(d) Kazanjian's Vestibuloplasty  
(e) Split Skin Graft
-

**QP Code: OMS104**

**MDS[Oral & Maxillofacial Surgery]**

BF/2020/07

**Essay**

[Paper-IV]

[New Scheme w.e.f. 2008 admission]

**Time : 3 Hours**

**Max Marks. : 75**

- Note: 1.) ***NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.***  
2.) ***The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.***

**Write an essay on any one of the topic :**

**[75]**

1. LASERS in Oral and Maxillofacial Surgery : Physical properties and its Surgical Application.

**OR**

2. Free Fibula Osteocutaneous Flap as a Gold Standard for Mandibular Reconstruction and Advancements in the Technique.
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**QP Code: CDE101**

**MDS[Conservative Dentistry and Endodontics]**

BF/2020/07

**Applied Anatomy, Physiology,  
Pathology and Dental Materials**

[Paper-I]

[New Scheme w.e.f. 2008 admission]

**Time : 3 Hours**

**Max Marks. : 75**

- Note:* 1.) *Attempt all questions.*  
2.) *NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.*  
3.) *The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.*

1. Discuss in detail Stages of Tooth Development with diagrams.

[25]

2. Write Short Notes on :

[5×10=50]

- (a) Anatomy of Mandible
  - (b) Define Sterilization. Classify various methods of Sterilization
  - (c) Functions of Fillers in Composite
  - (d) Intrinsic and Extrinsic pathways of Blood Coagulation
  - (e) Stages of Inflammation
-

**QP Code: CDE102**

**MDS[Conservative Dentistry and Endodontics]**

BF/2020/07

**Conservative Dentistry & Aesthetic Dentistry**

[Paper-II]

[New Scheme w.e.f. 2008 admission]

**Time : 3 Hours**

**Max Marks. : 75**

- Note:*
- 1.) *Attempt all questions.*
  - 2.) *NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.*
  - 3.) *The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.*

1. Discuss in detail about Recent Advancements in Bonding Agents. [25]

2. Write Short Notes on : [5x10=50]

- (a) Diagnosis of Caries- Recent advancements
  - (b) Vital Bleaching
  - (c) Impression procedures for Indirect Restoration
  - (d) Configuration Factor
  - (e) Biological Width
-

**QP Code: CDE103**

**MDS[Conservative Dentistry and Endodontics]**

BF/2020/07

**Endodontics**

[Paper-III]

[New Scheme w.e.f. 2008 admission]

**Time : 3 Hours**

**Max Marks. : 75**

- Note:*
- 1.) *Attempt all questions.*
  - 2.) *NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.*
  - 3.) *The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.*
  - 4.) *Make Diagram, Tables, Charts where ever necessary.*

1. Discuss Endodontics Microbiology.

[25]

2. Write Short Notes on :

[5x10=50]

- (a) MTA
  - (b) K<sub>3</sub> Rotary File System
  - (c) Resilon
  - (d) Endovac System
  - (e) Zirconia Post
-

**QP Code: CDE104**

**MDS[Conservative Dentistry and Endodontics]**

BF/2020/07

**Essay**

[Paper-IV]

[New Scheme w.e.f. 2008 admission]

**Time : 3 Hours**

**Max Marks. : 75**

- Note: 1.) NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.*  
2.) *The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.*

**Write an essay on any one of the topic:**

[75]

1. Color and Shade Matching in Aesthetic Dentistry

**OR**

2. Endodontics Micro Surgery
-



**QP Code: ODO101**

**MDS[Orthodontics & Dentofacial Orthopedics]**

BF/2020/07

**Applied Anatomy, Physiology, Pathology, Genetics  
Physical Anthropology & Dental Material**

[Paper-I]

[New Scheme w.e.f. 2008 admission]

**Time : 3 Hours**

**Max Marks. : 75**

- Note:* 1.) *Attempt all questions.*  
2.) *NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.*  
3.) *The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.*

1. Describe in detail Assessment of growth and development with special reference to growth prediction, differential growth and theories of growth along with recent advances.

[25]
  
  2. Write Short Notes on : [5x10=50]
    - (a) Bioethics and relationship to Orthodontic Management of Patients
    - (b) Molecular Basis of Genetics
    - (c) Australian Orthodontic Wires with Recent Advances
    - (d) Role of Calcium Metabolism in Orthodontics
    - (e) Animal Experimental Protocol
-

**QP Code: ODO102**

**MDS[Orthodontics & Dentofacial Orthopedics]**

BF/2020/07

**Diagnosis and Treatment Planning**

[Paper-II]

[New Scheme w.e.f. 2008 admission]

**Time : 3 Hours**

**Max Marks. : 75**

- Note:*
- 1.) *Attempt all questions.*
  - 2.) *NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.*
  - 3.) *The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.*

1. Discuss the Reliability of Cephalometric Measurements and limitations of different analysis.

[25]

2. Write Short Notes on :

[5x10=50]

- (a) Anterior Facial Height
  - (b) Gummy Smile
  - (c) Hand Wrist Radiographs
  - (d) Arch Expansion
  - (e) Magnets in Orthodontics
-

**QP Code: ODO103**

**MDS[Orthodontics & Dentofacial Orthopedics]**

BF/2020/07

**Clinical Orthodontics and Mechanotherapy**

[Paper-III]

[New Scheme w.e.f. 2008 admission]

**Time : 3 Hours**

**Max Marks. : 75**

- Note: 1.) *Attempt all questions.*  
2.) *NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.*  
3.) *The Student must write O.P. Code in the space provided on the Title Page of the Answer Book.*

1. Write in detail about basic principles, case selection, evaluation of treatment results of Myofunctional Orthodontics including contemporary appliances, their design and review of Current Literature. [25]
2. Write Short Notes on : [5x10=50]
- (a) Friction Control of Orthodontics
  - (b) Application of F.E.M.
  - (c) 3- D Printing
  - (d) Various Procedures for Stability of Results
  - (e) Minor Surgeries for Orthodontics
-

**QP Code: ODO104**

**MDS[Orthodontics & Dentofacial Orthopedics]**

BF/2020/07

**Essay**

[Paper-IV]

[New Scheme w.e.f. 2008 admission]

**Time : 3 Hours**

**Max Marks. : 75**

- Note: 1.) ***NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.***  
2.) ***The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.***

**Write an essay on any one of the topic :**

**[75]**

1. Adult Orthodontics

**OR**

2. Esthetics in Orthodontics
-

**QP Code: PPD101**

**MDS[Paedodontics and Preventive Dentistry]**

BF/2020/07

**Applied Anatomy, Physiology, Pathology,  
Microbiology, Nutrition and Dietics**

[Paper-I]

[New Scheme w.e.f. 2008 admission]

**Time : 3 Hours**

**Max Marks. : 75**

- Note:*
- 1.) *Attempt all questions.*
  - 2.) *NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.*
  - 3.) *The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.*

1. Discuss Haemophilia in detail with its dental implications.

[25]

2. Write Short Notes on :

[5x10=50]

- (a) Theories of Tooth Eruption
  - (b) Xerostomia
  - (c) Inferior Alveolar Nerve
  - (d) Cellulitis in Children
  - (e) Drug Dosage in Children
-

**QP Code: PPD102**

**MDS[Paedodontics and Preventive Dentistry]**

BF/2020/07

**Clinical Pediatric Dentistry**

[Paper-II]

[New Scheme w.e.f. 2008 admission]

**Time : 3 Hours**

**Max Marks. : 75**

- Note:* 1.) ***Attempt all questions.***  
2.) ***NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.***  
3.) ***The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.***

1. Describe Conscious sedation used in Child patient in Dental clinic. [25]
2. Write Short Notes on : [5x10=50]
- (a) Management of Pyogenic granuloma in Children
  - (b) Uses of Biodentine in Paediatric Dentistry
  - (c) Oral Manifestations of Bleeding disorders in Children
  - (d) Juvenile Periodontitis with its management
  - (e) Uses of RVG in Paediatric Dentistry
-

**QP Code: PPD103**

**MDS[Paedodontics and Preventive Dentistry]**

BF/2020/07

**Preventive and Community Dentistry as applied to  
Pediatric Dentistry**

[Paper-III]

[New Scheme w.e.f. 2008 admission]

**Time : 3 Hours**

**Max Marks. : 75**

- Note: 1.) *Attempt all questions.*  
2.) *NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.*  
3.) *The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.*

1. Discuss Dental Health Education in India. Describe advancements of technology being used in this field.

[25]

2. Write Short Notes on :

[5x10=50]

- (a) NRHM  
(b) Remineralising Agents  
(c) Topical Fluorides  
(d) Caries Prediction  
(e) Psychoanalytical Theory
-

**QP Code: PPD104**

**MDS[Paedodontics and Preventive Dentistry]**

BF/2020/07

**Essay**

[Paper-IV]

[New Scheme w.e.f. 2008 admission]

**Time : 3 Hours**

**Max Marks. : 75**

- Note: 1.) ***NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.***  
2.) ***The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.***

**Write an essay on any one of the topic :**

[75]

1. Recent advancement in Restorative Materials in Paediatric Dentistry.

**OR**

2. Discuss the role of preventive methods in Dental Caries.
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