

**QP Code: PCN101**

**MDS[Prosthodontics and Crown & Bridge]  
[PART- I]**

BF / 2023 / 05

**Applied Basic Sciences**

**[Paper-I]**

**[New Regulations w.e.f.2018 admission]**

**Time :3 Hours**

**Max Marks. :100**

**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.  | What is Myofacial pain dysfunction syndrome?              | [10] |
| 2.  | What is physiology of Pain?                               | [10] |
| 3.  | Balanced Diet.                                            | [10] |
| 4.  | Sialogogues & Antisialagogues.                            | [10] |
| 5.  | Role of Titanium in Prosthodontics.                       | [10] |
| 6.  | Allergy & Hypersensitivity reactions.                     | [10] |
| 7.  | How can we control Cross infection?                       | [10] |
| 8.  | Importance of Shelf life and Storage of Dental materials. | [10] |
| 9.  | Pre prosthetic surgeries.                                 | [10] |
| 10. | Standard deviation.                                       | [10] |

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**MDS[Prosthodontics and Crown & Bridge]  
[PART- II]**

BF / 2022 / 12

**Removable Prosthodontics and Implant supported prosthesis,  
Geriatric Dentistry and Cranio Facial Prosthodontics**

**[Paper-I]**

**[New Regulations w.e.f.2018 admission]**

**Time :3 Hours**

**Max Marks. :100**

**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 management of Complete edentulous patients with Resorbed residual ridges having Submucous fibrosis.  
[25]
2. Describe the importance of Implant protected occlusion in success of Implant Prosthodontics.  
[25]
3. **Short essay on :** [10x5=50]
  - (a) Soft liners in complete denture prosthesis
  - (b) Occlusal splints
  - (c) Stress breakers in Removable partial denture
  - (d) Retention in Maxillofacial prosthesis
  - (e) Management of Soft palate defect

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**QP Code: PCN103**

**MDS[Prosthodontics and Crown & Bridge]  
[PART- II]**

BF / 2022 / 12

**Fixed Prosthodontics, Occlusion, TMJ and Esthetics  
[Paper-II]  
[New Regulations w.e.f.2018 admission]**

**Time :3 Hours**

**Max Marks. :100**

- 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 philosophies of Full- mouth rehabilitation in detail. [25]
2. Discuss importance of Splints in management of TMJ disorders. [25]
3. **Short essay on :** [10x5=50]
  - (a) Occlusal contacts
  - (b) Impression material for Implant supported prostheses
  - (c) Crown Fabrication lab techniques
  - (d) Digital v/s Conventional impressions in FPD
  - (e) Diagnostic imaging in Fixed prostheses

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**QP Code: PCN104**

**MDS[Prosthodontics and Crown & Bridge]  
[PART- II]**

BF / 2022 / 12

**Descriptive and Analysing Type Question**

**[Paper-III]**

**[New Regulations w.e.f.2018 admission]**

**Time :3 Hours**

**Max Marks. :100**

- Note:*
- 1.) *Attempt any TWO questions out of THREE 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.*

**Attempt any TWO questions:**

**[50 x 2= 100]**

1. Role of Prosthodontics in the management of Temporomandibular joint pain dysfunction syndrome.
2. Occlusion in Prosthodontics
3. Osseointegration in Dental implants

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# **MDS[Periodontology]**

## **[PART- I]**

BF / 2023 / 05

### **Applied Basic Sciences**

[Paper-I]

#### **[New Regulations w.e.f.2018 admission]**

**Time : 3 Hours**

**Max Marks. : 100**

**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 the development of the Periodontium. [10]
2. Describe the Biochemical tests prior to periodontal surgery and their significance. [10]
3. Enumerate Blood clotting factors. Describe in detail about the mechanism of blood clotting. [10]
4. Write a note on Culture media. [10]
5. Discuss briefly the role of Vitamin C in Periodontal health and disease. [10]
6. Describe the Muscles of mastication, along with their functions. [10]
7. Discuss briefly the role of Tetracyclines in Periodontics. [10]
8. What are the different tests of significance? What is Null hypothesis? [10]
9. Describe the role of Viruses in Periodontal disease. [10]
10. What are the types of Diabetes? What is the effect of Diabetes Mellitus on Periodontal tissues? [10]

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**MDS[Oral & Maxillofacial Surgery]**  
**[PART- I]**

BF/2023/05

**Applied Basic Sciences**

**[Paper-I]**

**[New Regulations w.e.f.2018 admission]**

**Time :3 Hours**

**Max Marks. :100**

**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 surgical anatomy of the Posterior triangle of the neck region. [10]
  2. Discuss the composition of Saliva and mention its function, along with clinical manifestations of Chronic sialadenitis of the submandibular salivary gland. [10]
  3. Describe the Extra cranial course of the facial nerve. [10]
  4. Describe the pathophysiology and management of Anaphylaxis. [10]
  5. Discuss the importance of culture and antibiotic Sensitivity tests. [10]
  6. Give the classification of Tumors involving the Head, Face, Neck region and discuss the differences between benign and malignant tumors in short. [10]
  7. Describe the various Preprosthetic procedures and discuss anyone Vestibuloplasty procedure in detail with suitable diagrams. [10]
  8. Classify Nerve injuries and give a detailed account of Bell's Palsy and methods to correct the same. [10]
  9. Discuss in detail the evaluation of a patient with Head injuries in a RTA (Road Traffic Accidents). [10]
  10. What is Distraction Osteogenesis. Discuss the types and the principles of the same. [10]
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**QP Code: OSN102**

**MDS[Oral & Maxillofacial Surgery]  
[PART- II]**

BF/2022/12

**Minor Oral Surgery and Trauma**

[Paper-I]

**[New Regulations w.e.f.2018 admission]**

**Time :3 Hours**

**Max Marks. :100**

*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 causes and management of Oro- antral communication along with the various factors governing the choice of treatment.

[25]

2. Describe Le fort III fracture and its management.

[25]

3. **Short essay on :**

[10x5=50]

- (a) Bell's Palsy
- (b) Failures in Implantology
- (c) Tracheostomy
- (d) Pre anaesthetic medication
- (e) Internal fixation in Mandibular fractures

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**MDS[Oral & Maxillofacial Surgery]  
[PART- II]**

BF/2022/12

**Maxillo- facial Surgery**

[Paper-II]

**[New Regulations w.e.f.2018 admission]**

**Time :3 Hours**

**Max Marks. :100**

**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. Define Ankylosis. Discuss in detail the diagnosis and management of unilateral ankylosis of Temporomandibular joint in a growing child.  
[25]
2. Classify diseases of Salivary gland. Discuss in detail the diagnosis, management and complications of tumours of Parotid gland.  
[25]
3. **Short essay on :** [10x5=50]
  - (a) Principles and methods of Biopsy
  - (b) Diagnosis and management of Ameloblastoma
  - (c) Oral Submucous fibrosis
  - (d) Face- lift surgery
  - (e) Current concepts in the management of Cleft lip and Palate deformity

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**QP Code: OSN104**

**MDS[Oral & Maxillofacial Surgery]  
[PART- II]**

BF/2022/12

**Descriptive and Analysing Type Question**

**[Paper-III]**

**[New Regulations w.e.f.2018 admission]**

**Time :3 Hours**

**Max Marks. :100**

**Note:**

- 1.) *Attempt any TWO questions out of THREE 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.*

**Attempt any TWO questions:**

**[50 x 2= 100]**

1. Discuss surgical procedure and complications of Radical neck dissection.
2. Discuss Non-vascularized bone grafts.
3. Describe Pathologic lesions of Maxillary sinus.

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**QP Code: CDN102**

**MDS[Conservative Dentistry and Endodontics]  
[PART- II]**

BF/2022/12

**Conservative Dentistry**

**[Paper-I]**

**[New Regulations w.e.f.2018 admission]**

**Time : 3 Hours**

**Max Marks. : 100**

**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 the etiology and management of Dentinal hypersensitivity.  
[25]
2. Describe Complex amalgam restorations.  
[25]
3. **Short essay on :** [10x5=50]
  - (a) Infection control in Conservative dentistry
  - (b) Caries activity tests
  - (c) Classification of Contacts
  - (d) Minimal intervention dentistry
  - (e) Pulpal response to Restorative materials

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**QP Code: CDN103**

**MDS[Conservative Dentistry and Endodontics]  
[PART- II]**

BF/2022/12

**Endodontics**

**[Paper-II]**

**[New Regulations w.e.f.2018 admission]**

**Time :3 Hours**

**Max Marks. :100**

*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 structure and features of Root apex and its significance in endodontic treatment.

[25]

2. Describe mishaps during Root canal preparation and their management.

[25]

3. **Short essay on :**

[10x5=50]

- (a) Hydrodynamics of irrigation
- (b) Behavioural properties of NiTi
- (c) Endodontic biofilm
- (d) Crown lengthening
- (e) Perforation repair

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**QP Code: CDN104**

**MDS[Conservative Dentistry and Endodontics]  
[PART- II]**

BF/2022/12

**Descriptive and Analysing Type Question**

**[Paper-III]**

**[New Regulations w.e.f.2018 admission]**

**Time :3 Hours**

**Max Marks. :100**

*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.*

**Attempt any TWO questions:**

**[50 x 2= 100]**

1. What are LASERS? What is the present status of LASERS in the field of Conservative dentistry and endodontics?
2. Write in detail about CBCT, and its role in endodontic practice.
3. Write in detail about Hypersensitivity theories and various techniques to manage hypersensitivity

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**MDS[Orthodontics & Dentofacial Orthopedics]  
[PART- II]**

BF/2022/12

**Orthodontic History, Concepts of Occlusion and Esthetics, Child and Adult Psychology, Etiology and Classification of Malocclusion, Dentofacial Anomalies, Diagnostic procedures and treatment planning in Orthodontics, Practice Management in Orthodontics**

**[Paper-I]**

**[New Regulations w.e.f.2018 admission]**

**Time :3 Hours**

**Max Marks. :100**

**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 Emerging trends and recent advances in imaging of craniofacial area for Orthodontic purpose. Add a note on three dimensional cephalometrics. [25]
2. Discuss in detail the Servo system theory for Facial growth and its importance in Orthodontics. [25]
3. **Short essays :** [10x5=50]
  - (a) Radiation hazards in Orthodontic practice
  - (b) Functional matrix concept
  - (c) Evaluate the problems of the emotionally disturbed child from Orthodontic point of view.
  - (d) Psychology of patient compliance in Orthodontics
  - (e) Micro Esthetics

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**MDS[Orthodontics & Dentofacial Orthopedics]  
[PART- II]**

BF/2022/12

**Clinical Orthodontics**

**[Paper-II]**

**[New Regulations w.e.f.2018 admission]**

**Time :3 Hours**

**Max Marks. :100**

**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. Discuss the diagnosis and treatment planning in Maxillary vertical excess in a growing child.

[25]

2. Discuss Lingual orthodontics. Add a note on its indications and limitations. How lingual orthodontics is different from labial orthodontics in relation to their biomechanical principles.

[25]

3. **Short essays :**

[10x5=50]

- (a) Simultaneous intrusion and retraction springs
- (b) Physiologic anchorage control
- (c) Active Vs Passive Self ligating brackets
- (d) Finishing and detailing in Orthodontics
- (e) Pathology of root resorption and methods of prevention

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**QP Code: ODN104**

**MDS[Orthodontics & Dentofacial Orthopedics]  
[PART- II]**

BF/2022/12

**Descriptive and Analysing Type Question**

**[Paper-III]**

**[New Regulations w.e.f.2018 admission]**

**Time :3 Hours**

**Max Marks. :100**

**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.*

**Attempt any TWO questions:**

**[50 x 2= 100]**

1. Orthodontic Scars
2. Challenges of Adult Orthodontics
3. Lingual Orthodontics

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**MDS[Oral & Maxillofacial Pathology & Oral Microbiology]**  
**[PART- I]**

BF/2023/05

**Applied Basic Sciences**

[Paper-I]

**[New Regulations w.e.f.2018 admission]**

**Time :3 Hours**

**Max Marks. :100**

- 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 Oral mucosal immunology. [10]
2. Write about the role of Genes in Odontogenesis. [10]
3. Write in detail about the applied anatomy and applied physiology of Maxillary sinus with its associated pathologies. [10]
4. Write about the significance of ANOVA in Statistical analysis. [10]
5. What are the various expressions of a Cell injury. Explain. [10]
6. What is Sickle cell anaemia. Describe its oral and dental manifestations. [10]
7. Describe origin, course, distribution and clinical considerations of Trigeminal nerve. [10]
8. Explain Wound healing in detail. [10]
9. Discuss Bacterial genetics and its role in bacterial infections. [10]
10. Describe Non-Candida fungal infections. [10]

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**MDS[Pediatrics and Preventive Dentistry]  
[PART- I]**

BF/2023/05

**Applied Basic Sciences**

**[Paper-I]**

**[New Regulations w.e.f.2018 admission]**

**Time :3 Hours**

**Max Marks. :100**

**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 with suitable diagram the origin, course, branches and area of innervation of Trigeminal nerve. [10]
2. Microbiology of Dental plaque [10]
3. Chemical mediators of Inflammation [10]
4. Randomized controlled trial [10]
5. Elaborate on the sources, requirements and functions of Vitamin K. [10]
6. Describe the post natal growth of Mandible. [10]
7. Physiology of Referred pain [10]
8. Stem cells and its future in Pediatric dentistry [10]
9. Describe the modes of transmission of Hepatitis B infection and its prevention. [10]
10. Down syndrome [10]

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**MDS[Oral Medicine & Radiology]  
[PART- I]**

BF/2023/05

**Applied Basic Sciences**

[Paper-I]

**[New Regulations w.e.f.2018 admission]**

**Time :3 Hours**

**Max Marks. :100**

**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 Immunosuppressant drugs in detail. [10]
2. Role of Saliva in diagnosis of Oral lesions [10]
3. Blood coagulation factors [10]
4. Antifungal in Oral lesions [10]
5. Parotid gland: Anatomy and applied aspects [10]
6. Tumor markers in Oral PMDs and Oral SCC [10]
7. Immunofluorescence test and its significance in Oral medicine [10]
8. Fascial spaces: Anatomy and applied aspects [10]
9. Discuss various Cervical lymph nodes and their drainage of Head and Neck. [10]
10. Discuss Anti-neuralgic medication with recent advancements. [10]

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