

QP Code: PCN101

MDS[Prosthodontics and Crown & Bridge]

[PART- I]

BF/2021/07

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 Muscles of deglutition and Tongue muscles. [10]
2. Role of Burnishing in Restoration. [10]
3. Role of CT Scan in Prosthodontics. [10]
4. $^{18}/_8$ Stainless Steel. [10]
5. Shock and its management. [10]
6. Mycotic infection of Oral Cavity. [10]
7. Recent advances in Impression material. [10]
8. Immunity and Infections. [10]
9. What are medico legal considerations in Dentistry. [10]
10. Hypothesis. [10]

QP Code: PCN102

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

BF/2021/07

**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 O.P. Code in the space provided on the Title Page of the Answer Book.*

1. Classify and discuss Acquired Mandibular defects and their Prosthodontic management. [25]
2. What are the objectives of Removable partial denture fabrication? Discuss mouth preparation for Kennedy's class I partially edentulous arches. [25]
3. **Short essays :** [10x5=50]
 - (a) Rapid prototyping in Maxillofacial Prosthodontics
 - (b) Methods of crestal bone preservation in Dental implant restorations
 - (c) Significance of Bennett movement
 - (d) Advantages and disadvantages of Overlay denture
 - (e) Occlusal considerations in implant Prosthodontics

QP Code: PCN103

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

BF/2021/07

**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 O.P. Code in the space provided on the Title Page of the Answer Book.*

1. Evaluate functionally generated path in developing occlusion in Fixed Prosthesis. [25]
2. Discuss in detail need for Provisional restorations. Elaborate a technique and materials for temporization in Fixed Prosthodontics. [25]
3. **Short essays :** [10x5=50]
 - (a) Components of Smile
 - (b) CAD- CAM
 - (c) Finishing lines in Fixed Partial Dentures
 - (d) Compare prefabricated post versus customized post
 - (e) Advances in Luting Cements

QP Code: PCN104

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

BF/2021/07

**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 O.P. Code in the space provided on the Title Page of the Answer Book.*

Attempt any TWO questions:

[50 x 2= 100]

1. Discuss 'Esthetic Removable Partial Denture'.
 2. Innovations and advances in Art of Impression Recording. Discuss in detail.
 3. Discuss Preventive Prosthodontics- Needs and Means
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QP Code: PEN101

MDS[Periodontology]

[PART- I]

BF/2021/07

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. Discuss the Ultra structure of Junctional Epithelium. [10]
2. Write down the anatomy of Mandible with special reference to muscles of mastication. [10]
3. Discuss the role of Gingival Crevicular Fluid in health and disease. [10]
4. Describe the Histo- chemistry of Periodontal tissues. [10]
5. Write down the physiology of Pain in details. [10]
6. What are the limitations of Antibiotics in Periodontics? [10]
7. Describe primary and secondary Wound Healing. [10]
8. Discuss the Cellular Immunity in details. [10]
9. Describe Chi square test, t- test and z-test. [10]
10. Discuss in detail, the role of Cytokins in periodontal disease. [10]

MDS[Periodontology]
[PART- II]

BF/2021/07

**Normal Periodontal Structure, Etiology and Pathogenesis of
Periodontal Diseases, Epidemiology as Related to Periodontics**

[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 General adaptation syndrome? Discuss the role of Psychosomatics in Periodontics. [25]
2. Define Inflammation. Discuss the pathological changes in Acute and Chronic Inflammation. [25]
3. **Short essays :** [10x5=50]
 - (a) HIV infections and its Periodontal considerations
 - (b) Virulence factors of Periodontal pathogens
 - (c) Saliva in Health and Disease
 - (d) Role of Viruses in Pathogenesis of Periodontal disease
 - (e) Immunological aspects of Periodontal disease

QP Code: PEN103

MDS[Periodontology]

[PART- II]

BF/2021/07

Periodontal Diagnosis, Therapy and Oral Implantology

[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 in detail about Drug induced gingival overgrowth and treatment. [25]

2. Define, classify and write Stages of Trauma from Occlusion. Describe in detail its role on Periodontal regeneration. [25]

3. **Short essays :** [10x5=50]

(a) Current concepts of Curettage

(b) Local drug delivery for treatment of Periodontal diseases

(c) Periodontal instruments and Surgical instruments

(d) Endo- perio Lesions and its treatment

(e) Treatment of Acute infectious diseases of Gingiva

**MDS[Periodontology]
[PART- II]**

BF/2021/07

**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 O.P. Code in the space provided on the Title Page of the Answer Book.*

Attempt any TWO questions:

[50 x 2= 100]

1. Discuss the emerging trends in Periodontal therapy.
2. Discuss the occlusal rehabilitation during Periodontal treatment.
3. Discuss the immunological aspects of Periodontal disease

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

BF/2021/07

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 the development of Tongue in detail. [10]
2. Discuss the Hormones secreted by Pituitary gland. Describe their role in endocrinal activity of Body. [10]
3. Describe Surgical anatomy of various Fascial spaces of mandible. [10]
4. Discuss Calcium and Vitamin D metabolism in our Body. [10]
5. How will you manage Haemophilic patient who has come for Minor oral surgery. [10]
6. Write short notes on Cricothyroidotomy. [10]
7. Describe Lymphatic drainage of Head and Neck. Draw necessary diagrams. [10]
8. Discuss major Salivary glands & their surgical importance. [10]
9. Describe stages of Bone healing. Write in detail healing of extraction wound. [10]
10. Write short notes on Pre and post operative fluid replacement. [10]

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

BF/2021/07

**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. Describe the management of Displaced Mandibular angle fracture and its possible post operative complications.

[25]

2. Classify Osteomyelitis of Jaw bone. Describe the etiology, clinical features and management of Tubercular osteomyelitis of mandible.

[25]

3. **Short essays :**

[10x5=50]

- (a) Factors affecting spread of Odontogenic infections
- (b) Nerve injuries
- (c) Management of Secondary Hemorrhage
- (d) CSF Rhinorrhea
- (e) Oro- antra Fistula

QP Code: OSN103

MDS[Oral & Maxillofacial Surgery]

[PART- II]

BF/2021/07

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. Describe various Giant cell lesions of the jaw and discuss in detail their differential diagnosis, clinical features, histopathology and management.
[25]
 2. Describe the development of Face. Discuss in detail the diagnosis and management of Bilateral cleft lip.
[25]
 3. **Short essays :** [10x5=50]
 - (a) Genioplasty
 - (b) Bilateral Sagittal Split Osteotomy
 - (c) Parotid Fistula
 - (d) Al- Kayat and Bramley Incision
 - (e) Tumour Markers
-

QP Code: OSN104

MDS[Oral & Maxillofacial Surgery]

[PART- II]

BF/2021/07

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 O.P. Code in the space provided on the Title Page of the Answer Book.*

Attempt any TWO questions:

[50 x 2= 100]

1. Autogenous bone grafts used in Maxillofacial region.
 2. Current concepts in the management of Oral Cancers.
 3. Fluids and electrolyte Imbalance in Maxillofacial Surgery
-

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

BF/2020/07

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. Mandibular Nerve [10]
2. Composition and function of Saliva [10]
3. Fat- soluble Vitamins [10]
4. Enumerate methods of Sterilization. Describe in detail Universal precaution measures. [10]
5. Recent advances in Endodontic Sealers [10]
6. Inlay wax [10]
7. Methods of Data presentation [10]
8. Types of Hypersensitivity reactions [10]
9. Routes of Drug administration [10]
10. Isolation in Operative Dentistry [10]

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

BF/2021/07

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 O.P. Code in the space provided on the Title Page of the Answer Book.*

1. Describe in detail Isolation in Conservative Dentistry. [25]
2. Discuss in detail about Recent advances in Composites. [25]
3. **Short essays :** [10x5=50]
 - (a) Abfraction
 - (b) Pins for Amalgam Restorations
 - (c) Importance of Case History in Conservative Dentistry
 - (d) Role of Saliva in Prevention of Dental Caries
 - (e) Dental Hypersensitivity

MDS[Conservative Dentistry and Endodontics]

[PART- II]

BF/2021/07

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 O.P. Code in the space provided on the Title Page of the Answer Book.*

1. Discuss diagnosis, clinical findings and management of Internal Resorption. [25]
2. Elaborate on the statement “Early detection of root cracks and fractures is imperative, yet elusive”. Discuss the differential diagnosis and clinical management for the same in brief. [25]
3. **Short essays :** [10x5=50]
 - (a) Healing Responses to Horizontally Fractured Teeth
 - (b) Passive Ultrasonic Irrigation
 - (c) Biologic Width
 - (d) Common Errors and Prevention in Coronal Access Opening
 - (e) Gutta Percha Removal in Retreatment Cases

QP Code: CDN104

MDS[Conservative Dentistry and Endodontics]

[PART- II]

BF/2021/07

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. Write in detail about Biological response of pulp to various restorative materials. What practices should be followed to prevent potential injury to pulp during restorative procedures?
 2. **Regenerative Endodontics:** Present Status and Future Scope.
 3. What is Minimal intervention dentistry? Write in detail.
-

QP Code: ODN101

MDS[Orthodontics & Dentofacial Orthopedics]

[PART- I]

BF/2020/07

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 the role of Mandibular growth in relation to facial profile. [10]
2. Evolution of NITI wires [10]
3. Logarithmic spiral as the basis of facial growth [10]
4. Proximate principles of Nutrition [10]
5. Calcium Metabolism [10]
6. Pain pathway and its relevance in Orthodontics [10]
7. Genetics of dentofacial variations in Human malocclusion [10]
8. Mechanism and factors affecting eruption of teeth. Explain about primary failure of eruption. [10]
9. Prevention of spread of COVID-19 infection in Orthodontic practice [10]
10. Parametric Versus Non- Parametric test [10]

QP Code: ODN102

MDS[Orthodontics & Dentofacial Orthopedics]

[PART- II]

BF/2021/07

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 O.P. Code in the space provided on the Title Page of the Answer Book.*

1. Describe the features of Facial Asymmetry and correlate them to growth and development. What are the imaging modalities usable for diagnosis and treatment planning. Add a note on its age related management.

[25]

2. Describe the stages of Psychological development and its implication in Orthodontic treatment.

[25]

3. **Short essays :**

[10x5=50]

- (a) Digital Radiography
- (b) Accuracy of Computerized Cephalometric Software
- (c) Growth Forecasting and its Accuracy
- (d) Natural Head Position
- (e) Maxillary Transverse Deficiency

QP Code: ODN103

MDS[Orthodontics & Dentofacial Orthopedics]

[PART- II]

BF/2021/07

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 Q.P. Code in the space provided on the Title Page of the Answer Book.*

1. Discuss Biomechanics of friction and frictionless system for Canine retraction.
[25]
2. Describe the diagnostic criteria of Borderline orthodontic cases that influence the choice of extraction.
[25]
3. **Short essays :** [10x5=50]
 - (a) Surgical Cephalometric Analysis
 - (b) K- Sir Arch Wire
 - (c) Case Selection for Molar Distalization
 - (d) Implant as Anchorage
 - (e) Invisible Orthodontics

QP Code: ODN104

MDS[Orthodontics & Dentofacial Orthopedics]

[PART- II]

BF/2021/07

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. COVID- 19 Pandemic & Orthodontics
 2. Clear Aligner Therapy (CAT)
 3. Components and tools of Smile analysis
-

QP Code: OPN101

MDS[Oral & Maxillofacial Pathology & Oral Microbiology]

[PART- I]

BF/2021/07

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. Write in detail about Cell- cycle regulators. [10]
2. What is Apoptosis and what are the mechanisms of Apoptosis? [10]
3. Write in detail about Biological oxidation. [10]
4. Write about Emerging fungal infections of Oral cavity. [10]
5. Explain the terms- Case- Control study design and Cross- Sectional study design. [10]
6. Explain steps & biomolecules of Phagocytosis. [10]
7. Discuss the development and structure of Palate & write about its applied aspects. [10]
8. Write about Single Nucleotide Polymorphism. [10]
9. Write about the types of Dentin & their development and histology. [10]
10. Describe the anatomy of Maxillary Antrum with its applied aspects and write about its associated pathologies. [10]

QP Code: OPN102

MDS[Oral & Maxillofacial Pathology & Oral Microbiology]

[PART- II]

BF/2021/07

**Oral Pathology, Oral Microbiology and Immunology and
Forensic Odontology**

[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 Malignant tumors of epithelium in Oral Cavity. [25]
 2. Describe the Giant cell lesions of Oral Cavity. [25]
 3. **Short essays :** [10x5=50]
 - (a) Describe Mucoepidermoid Carcinoma
 - (b) Dentin Dysplasia
 - (c) Lichen Planus
 - (d) Discuss the Inter relationship of Periapical Infections
 - (e) Elaborate Osteosarcoma
-

QP Code: OPN103

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

BF/2021/07

**Laboratory Techniques and Diagnosis and Oral Oncology
[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 Artifacts in fixation, processing, sectioning and staining. [25]
 2. Discuss Lympho reticular malignancies. [25]
 3. **Short essays :** [10x5=50]
 - (a) Micro Array Technique
 - (b) Diagnostic Tests to differentiate between Acidic and Neutral Mucins
 - (c) Culture Media
 - (d) Tissue Processing by Nerve Methods
 - (e) Turnover Markers of Angiogenesis with Differential Diagnosis
-

QP Code: OPN104

MDS[Oral & Maxillofacial Pathology & Oral Microbiology]

[PART- II]

BF/2021/07

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. Discuss Salivary gland neoplasms of the Oral Cavity.
 2. Describe Vesiculobullous lesions of the Oral Cavity.
 3. Discuss relevance of Oral Cavity in COVID-19 and lab diagnosis of COVID-19
-

QP Code: PPN101

MDS[Pediatrics and Preventive Dentistry]

[PART- I]

BF/2021/07

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. Inter comparison of Sutural, Cartilaginous and Functional Matrix growth theories. [10]
2. Behavior management of a 4 year old child who reports to the dental operatory as per Freud, Erickson and Piaget Psychological Theories. [10]
3. Drugs used for Conscious sedation and complication associated with moderate and deep sedation [10]
4. Descriptive and analytical studies. [10]
5. Discuss step by step Strategic planning of a Public health intervention. [10]
6. Recent advancement in Tooth coloured restorative material for Primary Teeth. [10]
7. Discuss the development of Occlusion from birth to till 12 years. [10]
8. Relation and branches of External Carotid Artery. [10]
9. Stem Cells and its future in Pediatric Dentistry. [10]
10. Structure and function of various Immunoglobulins involved in Human immune reactions with special emphasis of Dental Caries [10]

QP Code: PPN102

MDS[Pediatrics and Preventive Dentistry]

[PART- II]

BF/2021/07

Clinical Pedodontics

[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. Discuss step by step considerations, management of child during his 1st visit to Dental operatory, its importance and practical consideration.
[25]
 2. Discuss the changes in Dental arches from birth through adolescence and their clinical significance.
[25]
 3. **Short essays :** [10x5=50]
 - (a) Clinical Features and Management of Patient with Down Syndrome
 - (b) Guidelines for Prescribing Radiographs in Mixed Dentition Period
 - (c) Electronic Dental Anesthesia
 - (d) Root Canal Irrigation Agents for Primary Teeth
 - (e) Chemo Mechanical Caries Removal
-

QP Code: PPN103

MDS[Pediatrics and Preventive Dentistry]

[PART- II]

BF/2021/07

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

[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 various Theories of psychological development of Child & its relation with behavior management. [25]
2. Discuss role of Fluorides related to children in Paediatric Dentistry. [25]
3. **Short essays :** [10x5=50]
 - (a) Management of Fearful Child in Paediatric Dental Clinic
 - (b) Estimation of Fluoride Concentration on Drinking Water in India
 - (c) Preventive Measures of Dental Caries in Children
 - (d) Writing of Research Methodology for a Research Paper
 - (e) Methods of Prevention of Child Abuse & Neglect in School of India

QP Code: PPN104

MDS[Pediatrics and Preventive Dentistry]

[PART- II]

BF/2021/07

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. Discuss Sedation techniques in children for Behavior Management.
2. Discuss current clinical practice scenario in Pediatric Dentistry in relation to COVID 19 pandemic.
3. Describe Dental radiological techniques in children and newer advancements in this field.

QP Code: OMN101

MDS[Oral Medicine & Radiology]

[PART- I]

BF/2021/07

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. Coagulopathies [10]
2. Fundamentals of Carbohydrate Metabolism [10]
3. Biomarkers in Oral Lichen Planus [10]
4. Periosteum [10]
5. Various types of Giant Cells [10]
6. Topical Antiviral agents used for Oral Lesions [10]
7. Chemical mediators of Inflammation [10]
- Dentistry [10]
- ation of Trigeminal Nerve [10]
- h [10]

QP Code: OMN102

MDS[Oral Medicine & Radiology]

[PART- II]

BF/2021/07

Oral and Maxillofacial Radiology

[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 Principle of MRI. Discuss in detail various Sequences of MRI & their application in Oral and Maxillofacial Lesions.

[25]

2. Discuss Basic principle of Radiation protection & Biologic effects of radiation on Oral Cavity in detail.

[25]

3. **Short essays :**

[10x5=50]

- (a) Grids & its types
 - (b) Lamina Dura & its significance
 - (c) Fusion Imaging
 - (d) Differential Diagnosis of Antral Radiopacities
 - (e) Brown's Tumor of Jaw
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QP Code: OMN103

MDS[Oral Medicine & Radiology]

[PART- II]

BF/2021/07

Oral Medicine, Therapeutics and Laboratory Investigations

[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. Enumerate the oral potentially premalignant and malignant lesions. Discuss in detail oral potentially premalignant lesions of the Oral Cavity. [25]
2. Discuss in detail Non- invasive method of diagnosis of Oral Mucosal Lesion. [25]
3. **Short essays :** [10x5=50]
 - (a) Management of Myofascial Pain Dysfunction Syndrome
 - (b) TENS Therapy
 - (c) Role of Corticosteroids in Dentistry
 - (d) Hyperparathyroidism
 - (e) Management of Dental Patient with History of Angina Pectoris

QP Code: OMN104

MDS[Oral Medicine & Radiology]

[PART- II]

BF/2021/07

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. Bone Architecture and its reaction to infection
2. Discuss various Imaging modalities to diagnose Salivary gland disorders.
3. Enlist Lesions of viral etiology of Oral Cavity. Discuss evaluation of viral lesions.
