

B.D.S. [1st Year]

BF/2023/12

General Human Anatomy

[New Scheme w.e.f 2007 admission]

Time :3 Hours

Max Marks. :70

- Note:** 1.) *Attempt all questions.*
2.) *ATTEMPT BOTH PARTS IN SINGLE ANSWER BOOK ONLY.*
3.) *NO SUPPLEMENTARY SHEET SHALL BE ALLOWED/PROVIDED*
4.) *The Student must write O.P. Code in the space provided on the Title Page of the Answer Book.*
5.) *Illustrate answers with suitable schematic diagrams.*

PART - A

1. Describe tongue under following heads : - [5x3=15]
(a) Gross anatomy
(b) Blood Supply, Lymphatics & Nerve supply
(c) Development of Tongue
2. Write Notes on :- [5x4=20]
(a) Layers of scalp
(b) Oculomotor nerve
(c) Relations of Parotid gland
(d) Development of Thyroid gland
(e) Muscles of Larynx

PART - B

3. Describe :- [5x3=15]
(a) Maxillary Artery
(b) External Features of Heart
(c) Maxillary Sinus
4. Write notes on:- [5x4=20]
(a) Histology of compact bone
(b) Fourth Ventricle of Brain
(c) Muscles of Mastications
(d) Extra ocular muscles with Nerve supply
(e) Cavernous sinus
-

B.D.S. [1st Year]
BF/2023/12
General Human Physiology
&
Biochemistry
[New Scheme w.e.f 2007 admission]

Time :3 Hours

Max Marks.: 70

Note: 1.) Attempt all questions.

2.) USE SEPARATE ANSWER BOOK FOR EACH PART.

3.) The Student must write separate Q.P. Code in the space provided on the Title Page of the respective Answer Book.

SECTION-A

QP Code:BDN102

[PHYSIOLOGY]

[35]

1. Discuss with the help of diagram Anemia and its type ?

[15]

2. **Write Short Notes on :**

[4x5=20]

- (a) Neuromuscular junction
- (b) Functions of Saliva
- (c) Role of Kidney in regulations of Acid and Base
- (d) Physiology of pain
- (e) Cardiac output

SECTION- B

QP Code:BDN103

[BIOCHEMISTRY]

[35]

1. (a) Describe the steps of TCA Cycle and give its energetic. [8]
(b) Describe lipoproteins and their functions. [7]

2. **Write Short Notes on :**

[4x5=20]

- (a) Functions of Vitamin D
 - (b) Different types of RNA and their functions
 - (c) Protein calories malnutrition
 - (d) Classify enzymes giving suitable examples
 - (e) Daily requirement, sources and functions of calcium
-

B.D.S. [1st Year]
BF/2023/12
Dental Anatomy
Embryology and Oral histology
[New Scheme w.e.f 2007 admission]

Max Marks. :70

Time:3Hours

- Note:** 1.) *Attempt all questions.*
2.) *ATTEMPT BOTH PARTS IN SINGLE ANSWER BOOK ONLY.*
3.) *NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED*
4.) *The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.*
5.) *Illustrate answers with suitable schematic diagrams.*

PART- A

1. Discuss in detail the stages of tooth development from initiation till hard tissue formation.

[15]
2. Write Short Notes on :- [4x5=20]
 - (a) Embrasures
 - (b) Development of Palate
 - (c) Immunoglobulins in Saliva
 - (d) Taste buds
 - (e) Granular Layer of Tome's

PART- B

3. Describe the morphology of Permanent Maxillary First Molar in detail with suitable diagrams. Add a note on its type traits.

[15]
 4. **Write Short Notes on :** [4x5=20]
 - (a) Alveolar Bone
 - (b) FDI Two Digit Tooth Numbering System
 - (c) Cementogenesis
 - (d) Compensating Curves in Occlusion
 - (e) Functions of the Periodontal Ligament
-

B.D.S.[2nd Year]

BF/2024/01

General Pathology & Microbiology

[New Scheme w.e.f. 2007 admission]

Time :3 Hours

Max Marks.: 70

Note: 1.) Attempt all questions.

*2.) **USE SEPARATE ANSWER BOOK FOR EACH PART.***

*3.) **The Student must write separate Q.P. Code in the space provided on the Title Page of the respective Answer Book.***

SECTION A

QP Code: BDN201

(GENERAL PATHOLOGY)

[35]

Note : Draw well labelled diagrams and flow charts where needed.

1. Enumerate various types of Emboli. Discuss the Fat Embolism. [15]

2. **Write Short Notes on :** [4x5=20]

- (a) Dental Caries
- (b) Healing by Primary Intention
- (c) Dysplasia
- (d) Fallot's Tetralogy
- (e) Lab Diagnosis of Syphilis.

SECTION B

QP Code: BDN202

(MICROBIOLOGY)

[35]

1. Explain in detail Growth of Bacteria and Culture techniques in Microbiology. [15]

2. **Write Short Notes on :** [4x5=20]

- (a) Bacterial Genome
 - (b) Candidiasis
 - (c) Mode of Transmission, Diagnosis and Prevention of Dengue Infection
 - (d) Role in Antigens in Infections
 - (e) Autoclave
-

B.D.S.[2nd Year]

BF/2024/01

General & Dental Pharmacology

[New Scheme w.e.f. 2007 admission]

Time :3 Hours

Max Marks. :70

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

PART- A

1. Classify Beta blockers. Write mechanism of action, therapeutic uses and adverse effects of Propranolol.
[15]
2. **Write Short Notes on :** [5x4=20]
 - (a) First Pass Metabolism
 - (b) Drug Therapy for Anaphylactic Shock
 - (c) Low Molecular Weight Heparin
 - (d) Antiepileptic Drugs

PART- B

3. Classify General Anaesthetic. Write mechanism of action, therapeutic uses and adverse effects of Thiopentone Sodium.
[15]
 4. **Write Short Notes on :** [5x4=20]
 - (a) Vitamin K
 - (b) Ondansetron
 - (c) Bleaching Agent in Dentistry
 - (d) Styptics
-

B.D.S.[2nd Year]

BF/2024/01

Dental Materials

[New Scheme w.e.f. 2007 admission]

Time : 3 Hours

MaxMarks.:70

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

PART- A

1. Discuss in detail Dental Amalgam. [15]
2. **Write Short Notes on :** [4x5=20]
 - (a) Green Strength
 - (b) Proportional Limit
 - (c) Denture Base Porosity
 - (d) Filler Particles
 - (e) Titanium

PART- B

3. Write in detail about Casting Defects. [15]
 4. **Write Short Notes on :** [4x5=20]
 - (a) Zirconia
 - (b) Self Cure Denture Base Resins
 - (c) Ideal Requisites of Heat Cure Resins
 - (d) Manipulation of Zinc Oxide Eugenol Paste
 - (e) Gold Foil
-

B.D.S.[3rd Year]

BF/2023/10

General Medicine

[New Scheme w.e.f. 2007 admission]

Time :3 Hours

Max Marks. :70

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

PART-A

1. Enlist causes of Cirrhosis of Liver. Enumerate its complications & discuss clinical features, pathogenesis and treatment of Hepatic Encephalopathy.
[2+2+3+3=5 =15]
2. **Write Short Notes on :** [4x5=20]
 - (a) Investigations & treatment in case of Chronic Obstructive Pulmonary Disease
 - (b) Clinical features & treatment of Lung abscess
 - (c) Pathophysiology and clinical features of Aortic Stenosis
 - (d) Management of a case of Hypertension
 - (e) Bone manifestations of Chronic Kidney Disease

PART- B

3. Discuss etiology, clinical features, investigations and treatment of Primary Hypothyroidism.
[2+5+3+5 =15]
 4. **Write Short Notes on :** [4x5=20]
 - (a) Trigeminal Neuralgia
 - (b) Clinical features & investigations in case of Acute Bacterial Meningitis
 - (c) Clinical features & treatment of Chronic Myeloid Leukaemia
 - (d) Clinical features & treatment of Malaria
 - (e) Pellagra
-

B.D.S.[3rd Year]

BF/2023/10

General Surgery

[New Scheme w.e.f 2007 admission]

Time : 3 Hours

MaxMarks: 70

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

PART- A

1. Define and discuss various methods of Asepsis, Disinfection and Sterilisation. [15]
2. **Write Short Notes on :** [4x5=20]
- (a) Anaerobic Infections
 - (b) Primary Survey in Trauma
 - (c) Extradural Haematoma (EDH)
 - (d) Hypokalemia
 - (e) Tracheostomy

PART- B

3. Discuss surgical anatomy of Trigeminal Ganglion in relation to Aetiology, clinical features and management of "Trigeminal Neuralgia". [15]
4. **Write Short Notes on :** [4x5=20]
- (a) Anti thyroid drugs
 - (b) Complications of General Anesthesia
 - (c) Acute Osteomyelitis
 - (d) Differential diagnosis of a Submandibular swelling
 - (e) Facial Nerve injury
-

B.D.S.[3rd Year]

BF/2023/10

Oral Pathology & Oral Microbiology

[New Scheme w.e.f. 2007 admission]

Time :-3 Hours

Max Marks. :70

Note: 1.) Attempt all questions.

2.) ATTEMPT BOTH PARTS IN SINGLE ANSWER BOOK ONLY.

3.) NO SUPPLEMENTARY SHEET SHALL BE ALLOWED/ PROVIDED

4.) The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.

PART- A

1. Classify Salivary Gland Tumors. Write in detail the histogenesis, clinical and histologic features of Pleomorphic Adenoma.

[15]

2. **Write Short Notes on :**

[4x5=20]

- (a) Neurolemmoma
- (b) Oral Submucous Fibrosis
- (c) Acrodynia
- (d) Cyclic Neutropenia
- (e) Pink Tooth of Mummery

PART- B

3. Classify Cyst. Write in detail the pathogenesis, clinical, radiological and histological features of Dentigerous Cyst.

[15]

4. **Write Short Notes on :**

[4x5=20]

- (a) Oral Foci of Infection
 - (b) Xerostomia
 - (c) Paget's Disease
 - (d) Amelogenesis Imperfecta
 - (e) Oral Candidiasis
-

B.D.S. [Fourth Year/fourth Year(Final Prof.)]

BF/2023/06

Oral Medicine & Radiology

[New Scheme w.e.f. 2007 & 2008 admission batch]

Time:3Hours

Max Marks :70

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

PART- A

1. Classify Vesiculobullous lesions of the Oral cavity. Describe the etiology, clinical features, differential diagnosis and management of Erythema multiforme. [15]
2. **Write Short Notes on :** [4x5=20]
 - (a) Explain in brief different types of Oral Lichen Planus
 - (b) Management of Recurrent aphthous stomatitis
 - (c) Explain causes of Gingival enlargement.
 - (d) Treatment of Trigeminal Neuralgia
 - (e) Hairy Tongue

PART- B

3. Enumerate Fibro osseous lesions of the Jaw. Discuss the clinical features, radiographic features, differential diagnosis and management of Fibrous dysplasia. [15]
4. **Write Short Notes on :** [4x5=20]
 - (a) Composition of X-ray film
 - (b) What is Bisecting angle technique.
 - (c) Explain in brief Line focus principle.
 - (d) Indications and contraindications of Sialography
 - (e) Radiographic appearance of Dentigerous cyst

B.D.S. [Fourth Year/fourth Year(Final Prof.)]

BF/2023/06

Paediatric & Preventive Dentistry

[New Scheme w.e.f. 2007 & 2008 admission batch]

Time : 3 Hours

Max Marks.: 70

Note: 1.) Attempt all questions.

2.) ATTEMPT BOTH PARTS IN SINGLE ANSWER BOOK ONLY.

3.) NO SUPPLEMENTARY SHEET SHALL BE ALLOWED/PROVIDED

4.) The Student must write O.P. Code in the space provided on the Title Page of the Answer Book.

PART A

1. Define Behavior management. Discuss any two behavior management techniques. [15]

2. Write Short Notes on : [4x5=20]

- (a) Advantages and disadvantages of ART (Atraumatic Restorative Treatment)
- (b) Define Pediatric dentistry and discuss Anticipatory guidance
- (c) Serial extraction
- (d) Conscious sedation
- (e) Keye's Triad

PART B

3. A 5 year old child has grossly carious 75 requiring extraction. Discuss the treatment plan for the same.

[15]

[4x5=20]

4. Write Short Notes on :

- (a) Etiology of Dental caries
- (b) Sugar substitutes
- (c) Leeway space of Nance
- (d) Window of Infectivity
- (e) Describe Ellis and Davey's classification of Traumatic injuries to Anterior teeth

B.D.S. [Fourth Year/fourth Year(Final Prof.)]

BF/2023/06

Orthodontics & Dentofacial Orthopaedics

[New Scheme w.e.f. 2007 & 2008 admission batch]

Time : 3 Hours

MaxMarks.: 70

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

PART A

1. What are Myofunctional appliances. Explain any one of these appliances in detail. [15]
2. **Write Short Notes on :** [4x5=20]
(a) Class II Division 2
(b) Relapse
(c) Hyalinization
(d) Reciprocal anchorage
(e) Hand wrist X-rays

PART B

3. What are Removable appliances. Describe in detail their advantages, disadvantages and components. [15]
4. **Write Short Notes on :** [4x5=20]
a) SNA Angle
b) Simon's Law
c) Serial extraction
d) Deep bite
e) Pin head
-

B.D.S. [Fourth Year/fourth Year(Final Prof.)]

BF/2023/06

Periodontology

[New Scheme w.e.f. 2007 & 2008 admission batch]

Time :3 Hours

Max Marks. :70

Note: 1.) *Attempt all questions.*

2.) *ATTEMPT BOTH PARTS IN SINGLE ANSWER BOOK ONLY.*

3.) *NO SUPPLEMENTARY SHEET SHALL BE ALLOWED/PROVIDED*

4.) *The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.*

PART A

1. Define and classify Gingival recession. Describe the various surgical techniques used for treatment of Gingival recession.

[15]

2. Write Short Notes on:

[4x5=20]

- (a) Dental plaque microbial complexes
- (b) Osseo- integration
- (c) Management of Periodontal abscess
- (d) Desquamative gingivitis
- (e) Chemical plaque control

PART B

3. Write the classification of Periodontal instruments. Discuss the general principles of Periodontal instrumentation.

[15]

4. Write Short Notes on :

[4x5=20]

- (a) Host Modulation
 - (b) Gingival Crevicular fluid
 - (c) Acute herpetic gingivostomatitis
 - (d) Powered tooth brushes
 - (e) Modified widman flap
-

B.D.S. [Fifth Year/Fourth Year(Final Prof.)]

BF/2023/06

Oral and Maxillofacial Surgery

[New Scheme w.e.f. 2007 & 2008 admission batch]

Time : 3 Hours

Max Marks.:70

- Note:*
- 1.) *Attempt all questions.*
 - 2.) *ATTEMPT BOTH PARTS IN SINGLE ANSWER BOOK ONLY.*
 - 3.) *NO SUPPLEMENTARY SHEET SHALL BE ALLOWED/PROVIDED*
 - 4.) *The Student must write O.P. Code in the space provided on the Title Page of the Answer Book.*
 - 5.) *Illustrate answers with suitable schematic diagrams.*

PART A

1. Classify Zygomatic complex fracture. Write in detail clinical features, diagnosis and management of Zygomatic arch fracture. [15]
2. **Write Short Notes on :** [4x5=20]
 - (a) Unfavourable Mandibular angle fracture
 - (b) Classify Dental elevators
 - (c) Genioplasty
 - (d) Fluid replacement therapy
 - (e) Classification of Odontogenic tumor

PART B

3. Classify Suture materials used in Oral & maxillofacial surgery. Describe the various bioresorbable suture materials. [15]
 4. **Write Short Notes on :** [4x5=20]
 - (a) Glasgow coma scale
 - (b) Emergency management of Facial trauma patient
 - (c) Garre's Osteomyelitis of mandible
 - (d) TMJ arthrocentesis
 - (e) Dental Implant
-

B.D.S. [Fifth Year/Fourth Year(Final Prof.)]

BF/2023/06

Prosthodontics and Crown & Bridge

[New Scheme w.e.f. 2007 & 2008 admission batch]

Time :3 Hours

Max Marks. :70

- Note:** 1.) *Attempt all questions.*
2.) ***ATTEMPT BOTH PARTS IN SINGLE ANSWER BOOK ONLY.***
3.) ***NO SUPPLEMENTARY SHEET SHALL BE ALLOWED/PROVIDED***
4.) ***The Student must write O.P. Code in the space provided on the Title Page of the Answer Book.***
5.) *Draw neat and labelled diagrams wherever necessary.*

PART A

1. Define Direct retainers. Classify extra coronal direct retainers. Discuss the application & design of RPI clasp. [15]
2. **Write Short Notes on :** [4x5=20]
- (a) Dental Implant
 - (b) Vertical Jaw relation
 - (c) Mandibular major connector
 - (d) Questionable abutment
 - (e) Relining & Rebasing of denture

PART B

3. Define Balanced occlusion. Enumerate and describe factors affecting Balanced occlusion. [15]
4. **Write Short Notes on :** [4x5=20]
- (a) Indirect retainer
 - (b) Try- in in complete denture
 - (c) Surveying and tripoding
 - (d) Pontic
 - (e) Die and Die materials
-

B.D.S. [Fifth Year/fourth Year(Final Prof.)]

BF/2023/06

Conservative Dentistry and Endodontics

[New Scheme w.e.f. 2007 & 2008 admission batch]

Time :3 Hours

MaxMarks.:70

Note: 1.) Attempt all questions.

2.) ATTEMPT BOTH PARTS IN SINGLE ANSWER BOOK ONLY.

3.) NO SUPPLEMENTARY SHEET SHALL BE ALLOWED/PROVIDED

4.) The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.

5.) Illustrate answers with suitable diagrams.

PART A

1. Classify Dental amalgam alloys. Describe composition, advantages, disadvantages and failures of amalgam restoration.

[15]

2. **Write Short Notes on :**

[4x5=20]

- (a) Dentinal hypersensitivity
- (b) Define and classify Dental caries.
- (c) Burs and diamond abrasives
- (d) 'C' factor in composite restorations
- (e) Abrasion and abfraction

PART B

3. Enumerate various methods of Obturation of the Root canal system. Describe in detail lateral condensation method of obturation.

[15]

4. **Write Short Notes on :**

[4x5=20]

- (a) Test cavity
 - (b) Calcium hydroxide in Endodontics
 - (c) H- file and its modifications
 - (d) Write in brief about Apex locators.
 - (e) Indications and contraindications of Endodontic surgeries
-

B.D.S. [Fifth Year/Fourth Year(Final Prof.)]

BF/2023/06

Public Health Dentistry

[New Scheme w.e.f. 2007 & 2008 admission batch]

Time :3 Hours

Max Marks.:70

Note: 1.) *Attempt all questions.*

2.) *ATTEMPT BOTH PARTS IN SINGLE ANSWER BOOK ONLY.*

3.) *NO SUPPLEMENTARY SHEET SHALL BE ALLOWED/PROVIDED*

4.) *The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.*

PART A

1. Define Epidemiology. Classify epidemiological studies. Describe in detail about descriptive epidemiology.

[15]

2. **Write Short Notes on :**

[4x5=20]

- (a) Changing concept of public health
- (b) Composition of dentifrices
- (c) Plaque control
- (d) New Zealand dental nurse
- (e) Mean, median and mode

PART B

3. What is Fluoride. Classify Fluoride therapy and describe in detail Topical fluoride.

[15]

4. **Write Short Notes on :**

[4x5=20]

- (a) Epidemiological triad
 - (b) 5A approach of tobacco cessation
 - (c) Principles of ethics
 - (d) Milestone of dental public health
 - (e) Turku study
-

