

B.D.S. [1st Year]

BF/2024/06

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 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. Describe Palatine Tonsil under following heads : - [5x3=15]
(a) Gross anatomy
(b) Microanatomy
(c) Applied anatomy
2. **Write Short Notes on :-** [5x4=20]
(a) Muscles of Mastication
(b) Cavernous Sinus
(c) Derivatives of Second Pharyngeal Arch
(d) Muscles of Soft palate
(e) Lateral wall of Nose

PART - B

3. **Describe :-** [5x3=15]
(a) Azygos vein
(b) Pleural recesses
(c) Medial wall of Middle ear
4. **Write notes on:-** [5x4=20]
(a) Histology of Skin
(b) Circle of Willis
(c) Vocal cord
(d) Difference between small & large Intestine
(e) Diaphragm
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B.D.S. [1st Year]
BF/2024/06
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 Gastric juice and its regulations.

[15]

2. **Write Short Notes on :**

[4x5=20]

- (a) Active transport with reference to Sodium potassium pump
- (b) Jaundice
- (c) Glomerular Filtration Rate
- (d) Testosterone
- (e) Organ of Corti

SECTION- B

QP Code:BDN103

[BIOCHEMISTRY]

[35]

1. (a) Describe the various factors affecting Enzyme activity. [8]
(b) Describe Urea cycle and its regulation. [7]

2. **Write Short Notes on :**

[4x5=20]

- (a) Biochemical functions and deficiency manifestations of Vitamin D
 - (b) Structure and functions of t- RNA
 - (c) Plasma proteins and their functions
 - (d) Basal Metabolic Rate (BMR)
 - (e) Daily requirement, sources and functions of Iron
-

B.D.S. [1st Year]
BF/2024/06
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. Describe Life cycle of Ameloblast and write in detail about Amelogenesis. [15]
2. Write Short Notes on :- [4x5=20]
 - (a) Hunter -Schreger Bands
 - (b) Transitional dentition period
 - (c) Enamel rods
 - (d) Importance of Deciduous Dentition
 - (e) Types of Dentin

PART- B

3. Describe in detail the morphology of Right Maxillary Canine in detail. [15]
 4. **Write Short Notes on :** [4x5=20]
 - (a) Muscles of mastication
 - (b) Late Bell Stage of tooth development
 - (c) Functions of the pulp
 - (d) Specialised Mucosa
 - (e) Root Formation of Tooth
-

B.D.S.[2nd Year]

BF/2024/06

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.

[8+7 = 15]

1. (a) Define Necrosis. Enumerate its various types, their causes and morphological features.
(b) Differentiate between Dry and Wet Gangrene.
2. **Write Short Notes on :** [4x5=20]
 - (a) Leukoplakia
 - (b) Ewing's sarcoma
 - (c) Granuloma
 - (d) PBF (Peripheral Blood Film) and BM (Bone Marrow) findings in Chronic myeloid leukaemia
 - (e) Opportunistic infections in HIV- AIDS.

SECTION B

QP Code: BDN202

(MICROBIOLOGY)

[35]

1. What are the mechanisms of drug resistance in Bacteria. Describe with examples. [15]
2. **Write Short Notes on :** [4x5=20]
 - (a) Type I hypersensitivity reaction
 - (b) Bacterial capsule
 - (c) Normal flora of Oral cavity and Dental plaque
 - (d) Robert Koch
 - (e) Chemical disinfection

B.D.S.[2nd Year]

BF/2024/06

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 Penicillins. Write the mechanism of action, therapeutic uses and adverse effects of Penicillin G. [15]
2. **Write Short Notes on :** [5x4=20]
 - (a) Bioavailability
 - (b) Atropine
 - (c) Treatment of Amoebic Dysentery
 - (d) Hydrocortisone

PART- B

3. Classify Antihypertensive drugs. Explain mechanism of action, therapeutic uses and adverse effects of Captopril. [15]
 4. **Write Short Notes on :** [5x4=20]
 - (a) Lignocaine
 - (b) Pre-anesthetic Medication
 - (c) Bleaching Agents
 - (d) Astringents
-

B.D.S.[2nd Year]

BF/2024/06

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. Classify Denture base resins. Write in detail about compression moulding technique.
[15]
2. **Write Short Notes on :** [4x5=20]
 - (a) Ductility and Malleability
 - (b) Bonding agents
 - (c) Manipulation of direct filling gold
 - (d) Addition silicones
 - (e) Accelerators & Retarders in ZOE

PART- B

3. What are the alternatives to Cast metal technology? Give a pictorial representation of a dental casting mold.
[15]
4. **Write Short Notes on :** [4x5=20]
 - (a) Pre- requisites of Inlay waxes
 - (b) Cement for Pulp protection
 - (c) Flux and antflux
 - (d) Ceramic strengthening methods
 - (e) Composition of Impression compound

B.D.S.[3rd Year]

BF/2024/05

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. Describe etiopathogenesis, clinical features, investigations & treatment of Community Acquired Pneumonia.
[4+3+3=5 =15]
2. **Write Short Notes on :** [4x5=20]
 - (a) Pathogenesis & clinical features of Mitral Regurgitation
 - (b) Risk factors & management of Unstable angina
 - (c) Clinical features & treatment of Hepatic Encephalopathy
 - (d) Clinical features & investigations in Celiac Disease
 - (e) Pathogenesis & Clinical features of Post-streptococcal glomerulonephritis

PART- B

3. Discuss pathogenesis, clinical features, investigations & treatment of Grave's Disease.
[3+3+3+6 =15]
 4. **Write Short Notes on :** [4x5=20]
 - (a) Clinical features and treatment of Pyogenic Meningitis in a male aged 65 years
 - (b) Bell's Palsy
 - (c) Clinical features & treatment of Aplastic Anemia
 - (d) Clinical features & treatment of Haemophilia A
 - (e) Gastrointestinal manifestation of AIDS
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B.D.S.[3rd Year]

BF/2024/05

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. Discuss about various Blood groups, indications and complications of Blood Transfusion. [15]
2. **Write Short Notes on :** [4x5=20]
- (a) Spinal Anaesthesia
 - (b) Gas Gangrene
 - (c) Excisional Biopsy
 - (d) Glasgow Coma Scale
 - (e) Fracture Mandible

PART- B

3. Discuss clinical features, investigations and management of Oral Cancer. [15]
4. **Write Short Notes on :** [4x5=20]
- (a) Medico Legal aspects of Accidental Wound
 - (b) Sq. Cell Carcinoma
 - (c) Trigeminal Neuralgia
 - (d) Retention Cyst
 - (e) Oro dental Hygiene
-

B.D.S.[3rd Year]

BF/2024/05

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

PART- A

1. Enumerate the developmental disturbances in size, shape, number & structure of Teeth and write in detail about Dentinogenesis Imperfecta.

[15]

2. **Write Short Notes on :**

[4x5=20]

- (a) Giant Cell Granulomas
- (b) Oral Epithelial Dysplasia
- (c) Acquired Syphilis
- (d) Histopathology of Enamel Caries
- (e) Adenomatoid Odontogenic Tumor

PART- B

3. Classify Odontogenic Cysts and write in detail about Odontogenic Keratocyst.

[15]

4. **Write Short Notes on :**

[4x5=20]

- (a) Warthin's Tumor
 - (b) Mumps
 - (c) ANUG
 - (d) Paget's Disease
 - (e) Oral Lichen Planus
-

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

BF/2024/01

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. Define Pain and classify Pain. Describe the etiology clinical features and management of Myofascial pain dysfunction syndrome. [15]
2. **Write Short Notes on :** [4x5=20]
 - (a) Oral Manifestations of Iron Deficiency Anaemia
 - (b) Causes of Endogenous oral and Perioral discolouration
 - (c) Management of Recurrent Aphthous Stomatitis
 - (d) Nikolsky Sign
 - (e) Herpetic Whitlow

PART- B

3. Define Erythema Dose. Discuss in detail X-ray machine. [15]
 4. **Write Short Notes on :** [4x5=20]
 - (a) Collimation
 - (b) Principles of Projection Geometry
 - (c) Ghost Images
 - (d) Radiographic appearance of Paget's Disease
 - (e) Causes of Light Radiograph
-

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

BF/2024/01

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.** Enumerate the various routes of Fluoride therapy. Discuss in detail the mechanism of action of Fluorides.

[15]

- 2. Write Short Notes on :**

[4x5=20]

- (a) Enumerate different Physiological Spaces in Primary & Mixed Dentition
- (b) Apexification vs Apexogenesis
- (c) Enumerate various Stages of Nursing Bottle Caries
- (d) Ideal properties of Root canal filling materials in Primary Teeth
- (e) Bruxism

PART B

- 3.** Define Psychology. Classify Theories of Child psychology and discuss in detail Erik Erikson's theory.

[15]

- 4. Write Short Notes on :**

[4x5=20]

- (a) Enumerate the advantages of using Glass ionomer cement for Restoring Primary Teeth
 - (b) List the indications and contraindications of Pit and Fissure Sealants
 - (c) Describe the normal Periodontium of child with deciduous dentition
 - (d) Fone's Brushing Technique
 - (e) Describe dental management of an Epileptic child patient
-

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

BF/2024/01

Orthodontics & Dentofacial Orthopaedics

[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. Describe in detail the various phases of the mixed dentition stage. [15]
2. **Write Short Notes on :** [4x5=20]
 - (a) Wolff's Law of Transformation of Bone
 - (b) Simon's Classification of Malocclusion
 - (c) Clinical features of Mouth Breathing
 - (d) Nasolabial Angle
 - (e) Skeletal Maturation Evaluation using Cervical Vertebrae

PART B

3. Define Retention. Describe in detail about various theories in Retention. [15]
 4. **Write Short Notes on :** [4x5=20]
 - a) Types of Tooth Movement
 - b) Muscular Anchorage
 - c) Enumerate Preventive Orthodontic Procedures
 - d) Classification of Springs
 - e) Veau's Classification of Cleft Lip and Cleft Palate
-

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

BF/2024/01

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. What is Desquamative Gingivitis? What are the signs & symptoms? State the treatment for the same.

[15]

2. Write Short Notes on:

[4x5=20]

- (a) Functions of Cementum
- (b) Gingival Massage
- (c) Management of High Frenum
- (d) Coronoplasty
- (e) Gingival Curettage

PART B

3. Classify Gingival Enlargement. State the treatment for Pyogenic Granuloma.

[15]

4. Write Short Notes on :

[4x5=20]

- (a) Periodontal Dressing
 - (b) Dentinal Hypersensitivity
 - (c) Root Biomodification
 - (d) Non-Keratinocytes in Gingiva
 - (e) Splinting
-

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

BF/2024/01

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. Discuss Healing of Fracture. Write steps followed for fracture management in detail.
[15]
2. **Write Short Notes on :** [4x5=20]
 - (a) Syncope
 - (b) Akinosi Technique
 - (c) Chronic recurrent dislocation of Jaw
 - (d) Sialography in detail
 - (e) Various Fluids used in Maxillofacial Trauma Patient

PART B

3. Classify Suture materials. Discuss in detail various types of Suturing techniques used in Oral Surgery.
[15]
 4. **Write Short Notes on :** [4x5=20]
 - (a) Submandibular Sialolithiasis
 - (b) Chronic Sclerosing Osteomyelitis
 - (c) WAR Lines
 - (d) Fine Needle Aspiration Cytology
 - (e) Styptics used in Oral Surgery
-

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

BF/2024/01

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 Q.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. Discuss Kennedy's Classification for partially edentulous arches. What are the differences between class I/II and III/IV that totally change cast partial denture design considerations for them. [15]
2. **Write Short Notes on :** [4x5=20]
 - (a) Significance of diagnostic casts in removable partial dentures
 - (b) Principles of structural durability in Tooth preparation for receiving Crown
 - (c) Location and significance of Occlusal plane in Complete dentures
 - (d) Significance of Hinge axis
 - (e) Diagnostic significance of Radiographs in Fixed dental prosthesis

PART B

3. Discuss Tooth preparation of abutments for replacing missing 45 keeping biomechanical principles of Tooth preparation in mind. Briefly discuss material options for the same. [15]
 4. **Write Short Notes on :** [4x5=20]
 - (a) Laminates and Veneers
 - (b) Factors affecting balanced occlusion
 - (c) RPI and RPA Clasp assembly
 - (d) Denture sore mouth
 - (e) Factors affecting in selection of Pontic for replacing missing tooth with Fixed dental prosthesis
-

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

BF/2024/01

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. Discuss in detail the etiology, theories and management of Dentinal Hypersensitivity.

[15]

2. **Write Short Notes on :**

[4x5=20]

- (a) Pulpal response to Operative procedures
- (b) Types of Expansion in Amalgam restoration
- (c) Shade selection in Esthetics
- (d) Methods of Tooth separation
- (e) Modifications of Glass ionomer cement

PART B

3. Classify Tooth discolouration. Define Bleaching, Materials used for bleaching, Mechanism of bleaching and discuss in detail about Non-vital bleaching techniques.

[15]

4. **Write Short Notes on :**

[4x5=20]

- (a) Sodium hypochlorite accident
 - (b) Classify Endodontic- Periodontal lesions
 - (c) Standardization of Endodontic instruments
 - (d) Hybrid technique of Biomechanical preparation
 - (e) Intra canal medicaments
-

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

BF/2024/01

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. Classify the Fluoride therapy and describe different defluoridation technique. [15]
2. **Write Short Notes on :** [4x5=20]
 - (a) Sampling
 - (b) Water born disease
 - (c) Iceberg phenomena
 - (d) Incineration
 - (e) Stephan curve

PART B

3. Define Health education and enumerate principal of health education and different approach of health education. [15]
4. **Write Short Notes on :** [4x5=20]
 - (a) Odd ratio
 - (b) Principal of Primary health care
 - (c) Incremental dental care
 - (d) Pit and fissure sealant
 - (e) Nicotine replacement therapy
