

B.D.S. [1st Year]

BF/2022/04

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 Lateral wall of Nose under following heads :-** [5x3=15]
(a) Formation and features
(b) Blood supply
(c) Nerve supply
2. **Write Notes on :-** [5x4=20]
(a) Maxillary artery and its branches
(b) Facial nerve
(c) Parotid gland
(d) Embryology of 2nd pharyngeal arch
(e) Muscles of larynx

PART - B

3. **Describe the followings :-** [5x3=15]
(a) Left coronary artery
(b) Right lung
(c) Deltoid muscle and its relation to axillary nerve
4. **Write Notes on :-** [5x4=20]
(a) Histology of cardiac muscle
(b) External ear, its parts and nerve supply
(c) Lateral pterygoid muscle, its attachment, nerve supply and action
(d) Muscles of tongue
(e) Pancreas

B.D.S. [1st Year]

BF/2022/04

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. Define Blood Pressure. Describe short term regulation of Blood Pressure.

[15]

2. Write Short Notes on :

[4x5=20]

- (a) Facilitated diffusion
- (b) Nervous regulation of respiration
- (c) Pain pathway
- (d) Menstrual cycle
- (e) Juxta glomerular apparatus

SECTION- B

QP Code:BDN103

[BIOCHEMISTRY]

[35]

1. Discuss sources, daily requirements, functions and deficiency manifestations of Vitamin D. Add a note on Vitamin D and its role in Calcium metabolism.

[15]

2. Write Short Notes on :

[4x5=20]

- (a) Protein calorie malnutrition
- (b) Classification of lipids with examples
- (c) Plasma proteins and functions of albumin
- (d) Name Ketone Bodies. Explain Ketosis.
- (e) The different types of RNA. Add a note on structure and functions of messenger RNA (m-RNA)

B.D.S. [1st Year]

BF/2022/04

**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. Define Eruption. Explain the theories of eruption. Mention the eruption time period for all the Permanent Teeth?
[15]
2. Write Short Notes on :- [4x5=20]
 - (a) Tomes' granular layer
 - (b) Pain transmission in dentin
 - (c) Epithelial rests of malassez and Serres
 - (d) Muscles of mastication
 - (e) Shedding of primary teeth

PART- B

3. Write in detail about the structure of Dentin. Add a note on age changes of dentin?
[15]
4. Write Short Notes on : [4x5=20]
 - (a) Amniocentesis
 - (b) Hyoglossus muscle
 - (c) Mucocele
 - (d) Taurodontism
 - (e) Neural crest cells

B.D.S.[2nd Year]

BF/2021/11 ✓

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. (a) Discuss mechanism of Hypoxic Cell Injury. [7¹/₂x2=15]
(b) Differences between Benign and Malignant tumors.

2. **Write Short Notes on :** [4x5=20]
 - (a) Pleomorphic Adenoma
 - (b) Type IV Hypersensitivity
 - (c) Osteomyelitis
 - (d) Peripheral Blood Film in Megaloblastic Anemia
 - (e) Discuss factors affecting Wound healing

SECTION B

QP Code: BDN202 (MICROBIOLOGY) [35]

1. Define Sterilization. Enumerate and explain various methods of sterilization and disinfection. [15]

 2. **Write Short Notes on :** [4x5=20]
 - (a) Louis Pasteur
 - (b) Bacterial Growth Curve
 - (c) Role of Gram Positive Cocci in Dental Carries
 - (d) ELISA
 - (e) Mumps
-

B.D.S.[2nd Year]

BF/2021/11

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 Antiasthmatic drugs. Write mechanism of action, therapeutic uses and adverse effects of Salbutamol. [15]
2. **Write Short Notes on :** [5x4=20]
 - (a) Routes of Drug Administration
 - (b) Treatment of Organophosphate Poisoning
 - (c) Amlodipine
 - (d) Dipeptidyl Peptidase- 4 (DPP-4) Inhibitors

PART-B

3. Classify Antileprotic drugs. Write mechanism of action, therapeutic uses and adverse effects of Rifampin. [15]
 4. **Write Short Notes on :** [5x4=20]
 - (a) Vitamin D
 - (b) Amoxicillin- Clavulanic Acid Combination
 - (c) Obtundents
 - (d) Antiplateque Agents
-

B.D.S.[2nd Year]

BF/2021/11

Dental Materials

[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. Define Denture base resins. Discuss its composition, physical and chemical properties. [15]
2. Write Short Notes on : [4x5=20]
 - (a) Soldering
 - (b) Bio Compatibility of Dental Materials
 - (c) Composite Resins
 - (d) Gypsum Bonded Investments
 - (e) Secondary Expansion

PART- B

3. Classify Dental Cements. Discuss Zinc phosphate Cement. [15]
4. Write Short Notes on : [4x5=20]
 - (a) Green Stick Wax
 - (b) Dental Implant Materials
 - (c) Stress and Strain
 - (d) Black Casting
 - (e) Methods to Delayed Setting of Zinc-oxide Eugenol Paste

B.D.S.[3rd Year]

BF/2021/11 ✓

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

PART-A

1. Define Congestive heart failure. Discuss the pathophysiology, clinical features and management of congestive heart failure.
[4+4+3+4=15]
2. **Write Short Notes on :** [4x5=20]
 - (a) Diphtheria
 - (b) Management of Bronchial Asthma
 - (c) Causes of Splenomegaly
 - (d) Nephrotic Syndrome
 - (e) Hyperparathyroidism

PART- B

3. Discuss the aetiopathogenesis, clinical features and management of Acid peptic disease.
[5+5+5=15]
 4. **Write Short Notes on :** [4x5=20]
 - (a) Syncope
 - (b) Pneumothorax
 - (c) Shock
 - (d) Addison's Disease
 - (e) Oral Manifestation of Hematological Disorders
-

B.D.S.[3rd Year]

BF/2021/11

General Surgery

[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 different techniques of Sterilization of Surgical instrument. [15]
2. **Write Short Notes on :** [4x5=20]
 - (a) Facial Nerve
 - (b) Indication of Tracheostomy
 - (c) Premalignant Condition of Oral Cavity
 - (d) Lingual Thyroid
 - (e) Wedge Biopsy

PART- B

3. Explain malignant tumors of Thyroid & their management. [15]
 4. **Write Short Notes on :** [4x5=20]
 - (a) Dermoid Cyst
 - (b) Secondaries Neck
 - (c) Neuropraxia
 - (d) Trigeminal Neuralgia
 - (e) Parotid Fistula
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B.D.S.[3rd Year]

BF/2021/11

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. Enumerate benign & malignant tumors of Epithelial tissue origin of the oral cavity. Discuss the etiology, clinical features & histological features of Basal cell carcinoma.

[15]

2. **Write Short Notes on :**

[4x5=20]

- (a) Gemination & Fusion
- (b) Histopathology of Caries of the Enamel
- (c) Exfoliative Cytology
- (d) Schwannoma
- (e) Oral Manifestation of Leukemia

PART- B

3. Enumerate Non- neoplastic lesions of Bone and describe in detail the Osteitis deformans.

[15]

4. **Write Short Notes on :**

[4x5=20]

- (a) Forensic Odontologist
 - (b) Sjogren's Syndrome
 - (c) Clinical Features & Histopathology of Radicular Cyst
 - (d) Ludwig's Angina
 - (e) Erythroblastosis Fetalis
-

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

BF/2021/11

Oral Medicine & Radiology

[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 Red and White lesions of Oral mucosa. Discuss oral lichen planus in detail [15]
2. **Write Short Notes on :** [4x5=20]
 - (a) Trigeminal Neuralgia
 - (b) Halitosis and its Management
 - (c) Pleomorphic Adenoma
 - (d) Dental Management of Patients with Bleeding Disorders
 - (e) Differential diagnosis of Depapillation of Tongue

PART- B

3. Write indications, limitations, uses and principles of Orthopantomograph. Add a note on Focal trough. [15]
 4. **Write Short Notes on :** [4x5=20]
 - (a) Mandibular True Cross Sectional Occlusal Radiograph
 - (b) Sialography
 - (c) Radiographic Normal Anatomical Landmarks in Mandibular Region
 - (d) Radiographic Appearance of Fibrous Dysplasia in Maxillary Region
 - (e) Differential diagnosis of Periapical Radio opacities
-

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

BF/2021/11

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. Indications, contra- indications of Stainless Steel Crowns. Describe steps in the selection, preparation & cementation of a Stainless Steel Crown for the Mandibular 1st deciduous molar. [15]
2. **Write Short Notes on :** [4x5=20]
- (a) Molar Incisor Hypo-mineralization
 - (b) Apexification
 - (c) Broadbent Phenomenon
 - (d) Stephan's Curve
 - (e) 1st Dental Visit

PART B

3. Enumerate various factors to be considered while planning a Space- Maintainer. Describe in detail Band & Loop Space Maintainer. [15]
4. **Write Short Notes on :** [4x5=20]
- (a) Dental Management of Child with Hemophilia
 - (b) Mechanism of Action of Fluoride
 - (c) Pulpotomy
 - (d) Role of Diet in the Prevention of Dental Caries
 - (e) Dental Home
-

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

BF/2021/11

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. Define Growth. Describe in detail about Pre-natal growth of Nasomaxillary Complex. [15]
2. **Write Short Notes on :** [4x5=20]
- (a) Incisal Liability
- (b) Drawbacks of Angle's Classification
- (c) Clinical Features of Thumb Sucking Habit
- (d) Essential Diagnostic Aids
- (e) Wits Appraisal

PART B

3. Describe in detail about Ashley- Howe's Analysis. [15]
4. **Write Short Notes on :** [4x5=20]
- a) Hyalinization
- b) Reinforced Anchorage
- c) Coffin Spring
- d) Contraindications of Rapid Maxillary Expansion
- e) Types of Headgears
-

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

BF/2021/11

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

PART A

1. Enumerate Acute Gingival Infections. Describe clinical signs & symptoms of Necrotizing ulcerative gingivitis. How will you differentiate between necrotizing ulcerative gingivitis and chronic periodontitis.

[15]

2. **Write Short Notes on:**

[4x5=20]

- (a) Junctional Epithelium
- (b) Aggressive Periodontitis
- (c) Classification of Gingival Enlargement
- (d) Soft Tissue Wall Changes in Periodontal Pocket
- (e) Concept of Biofilm

PART B

3. Define Trauma from occlusion. Differentiate between primary and secondary trauma from occlusion and list the clinical and radiological signs & symptom of trauma from occlusion.

[15]

4. **Write Short Notes on :**

[4x5=20]

- (a) Plaque Retentive Factors
 - (b) Indications and Contraindication of Periodontal Flap Surgery
 - (c) Mechanism of Extension of Spread of Inflammation from Gingival Area to Bone Deeper Periodontal Structure
 - (d) Role of Calculus in Periodontal Disease
 - (e) Classify Osseous Bone Grafts
-

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

BF/2021/11

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 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. Classify Mandibular fractures. Discuss in detail the management of vertically unfavourable fracture of Angle of Mandible in a 27 year old Male. [15]
2. Write Short Notes on : [4x5=20]
 - (a) CSF Rhinorrhoea
 - (b) Role of Adrenaline in LA
 - (c) Principle of Tooth Elevators
 - (d) Management of Keratocyst
 - (e) Surgical Management of Long Standing TMJ Dislocation

PART B

3. Discuss in detail the principles of various Neck dissection techniques in the management of Cervical lymph nodes in Oral cancer. [15]
4. Write Short Notes on : [4x5=20]
 - (a) Ridge Augmentation Procedures
 - (b) Management of Oro- Antral Fistula
 - (c) Management of Hypovolaemic Shock
 - (d) Cardio- Pulmonary Resuscitation
 - (e) Xerostomia

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

BF/2021/11

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. Define Impression. Write aims & objectives of impression. Write in detail about factors affecting retention in denture. [15]
2. **Write Short Notes on :** [4x5=20]
 - (a) Vertical Jaw Relation
 - (b) Maxillary Major Connectors
 - (c) Questionable Abutment
 - (d) Relining & Rebasing of Denture Base
 - (e) Indirect Retainer

PART B

3. Describe in detail Biomechanical principles of tooth preparation and write note on preparation of maxillary central incisor for receiving Porcelain jacket crown. [15]
 4. **Write Short Notes on :** [4x5=20]
 - (a) Laminates
 - (b) Try- in of Complete Denture
 - (c) Surveying & Tripoding
 - (d) Pontic
 - (e) Dental Implant
-

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

BF/2021/11

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. Define Composite resin. Write its classification, composition, advantages & disadvantages.

[15]

2. **Write Short Notes on :**

[4x5=20]

- (a) Classification & Composition of Silver Alloy
(b) Instrument Formula
(c) Composition & Ideal Properties of Inlay Wax
(d) Rubber Dam Kit
(e) Resistance & Retention Form

PART B

3. Classify diseases of Pulp. Explain Reversible pulpitis.

[15]

4. **Write Short Notes on :**

[4x5=20]

- (a) Thermal Test
(b) Apexification
(c) Pulp Polyp
(d) Gutta Percha
(e) Sodium Hypochlorite
-

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

BF/2021/11

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 Health. Write in details about determinants and dimensions of Health. Describe briefly about Theory of disease causation. [2+9+4=15]
2. **Write Short Notes on :** [4x5=20]
 - (a) C.P.I. Index
 - (b) Bangalore Method of Composting
 - (c) Measures of Central Tendency
 - (d) World Health Organisation
 - (e) Role of Quarantine in Public Health

PART B

3. Define Health education. Write briefly different methods of Health education. Describe in details various principles of Health education. [2+5+8=15]
4. **Write Short Notes on :** [4x5=20]
 - (a) Chemical Plaque Control
 - (b) Pit and Fissure Sealants
 - (c) Primary Health Centre
 - (d) Slow Sand Filter
 - (e) Iceberg Phenomenon of Disease
