

B.D.S. [1st Year]

BF/2021/11

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 the arterial supply, nerve supply and lymphatic drainage of the following parts : - [5x3=15]
(a) Palate
(b) Tongue
(c) Nasal Septum
2. Write Notes on :- [5x4=20]
(a) Pterygopalatine Ganglion
(b) Muscles of Pharynx
(c) Middle Meningeal Artery
(d) Development of Face and Nose
(e) Ossification and Relations of Mandible

PART - B

3. Illustrate with the help of diagrams only :- [5x3=15]
(a) Histology of Salivary Glands
(b) Events in the Second Week of Intrauterine Life
(c) Blood Supply and Lymphatic drainage of Stomach
4. Write Notes on :- [5x4=20]
(a) Palatine Tonsil
(b) Lingual Artery
(c) Development of Thyroid Gland
(d) Structures entering and leaving the Diaphragm
(e) Submandibular Region

B.D.S. [1st Year]
BF/2021/11
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. Discuss long term regulation of Blood Pressure.
[15]

2. Write Short Notes on : [4x5=20]
 - (a) Secondary Active Transport
 - (b) Chemical Regulation of Respiration
 - (c) Functions of Hypothalamus
 - (d) Ovulation
 - (e) Micturition

SECTION- B

QP Code:BDN103

[BIOCHEMISTRY]

[35]

1. Discuss sources, daily requirements, functions and deficiency manifestations of Vitamin A. Add a note on Wald's Visual Cycle.
[15]

 2. Write Short Notes on : [4x5=20]
 - (a) Balanced Diet
 - (b) Classification of Polysaccharides with Examples
 - (c) Lipoproteins
 - (d) Ketone Body Formation and Utilization
 - (e) Watson- Crick Model of DNA Structure and its Salient Features
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B.D.S. [1st Year]

BF/2021/11

**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. Explain various stages of Tooth development with diagrams. [15]
2. Write Short Notes on :- [4x5=20]
 - (a) Histology of Maxillary Sinus
 - (b) Theories of Tooth Eruption
 - (c) Function of PDL
 - (d) Fixation and Dehydration in Tissue Processing
 - (e) Morphology of Maxillary 2nd Molar

PART- B

3. Classify Oral mucous membrane. Describe in detail about specialized mucosa and the histology of Gingiva? [15]
 4. Write Short Notes on : [4x5=20]
 - (a) Odontoblasts
 - (b) Histophysiological Stages in Tooth Development
 - (c) Compensating Curves
 - (d) Basal Lamina
 - (e) Theories of Dentinal Sensitivity
-

B.D.S.[2nd Year]

BF/2021/07

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 Necrosis. Discuss ischaemia and caseous necrosis. [15]
2. Write Short Notes on : [4x5=20]
 - (a) Ameloblastoma
 - (b) Staining Reactions of Amyloidosis
 - (c) Metaplasia
 - (d) Differences between Exudate and Transudate
 - (e) P.B.F. and B.M. findings of Chronic Myeloid Leukaemia

SECTION B

QP Code: BDN202 (MICROBIOLOGY) [35]

1. Define PUO/FUO (Pyrexia/ Fever of unknown origin). Enumerate microbiological causative agents. Discuss any one of them in details. [15]
2. Write Short Notes on : [4x5=20]
 - (a) Complement
 - (b) Robert Koch- Contributions
 - (c) Mode of Transmission and Prevention of Malaria
 - (d) Oral Lesions in Candidiasis
 - (e) Inclusion Bodies in Viruses

B.D.S.[2nd Year]

BF/2021/07

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 Antianginal drugs. Write mechanism of action, therapeutic uses and adverse effects of Nitrates. [15]
2. Write Short Notes on : [5x4=20]
 - (a) Enzyme Inhibitor Drugs used in Treatment of Diseases
 - (b) Atropine
 - (c) Salbutamol
 - (d) Aspirin

PART-B

3. Classify Antitubercular drugs. Write mechanism of action, therapeutic uses and adverse reactions of Rifampicin. [15]
 4. Write Short Notes on : [5x4=20]
 - (a) Vitamin A
 - (b) Disclosing Agents
 - (c) Sulphonyl Ureas
 - (d) Metronidazole
-

B.D.S.[2nd Year]

BF/2021/07

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

PART- A

1. Describe composition of various types of Resins, their functions and uses. [15]
2. Write Short Notes on : [4x5=20]
 - (a) Creep
 - (b) Divestment
 - (c) Inlay Waxes
 - (d) CAD- CAM
 - (e) Hot Spot Porosity

PART- B

3. Classify Dental Cements. Write in detail about Zn- phosphate Cement. [15]
 4. Write Short Notes on : [4x5=20]
 - (a) Co- Cr Ni Alloys
 - (b) Tarnish and Corrosion
 - (c) Dimensions of Colour
 - (d) Delayed Expansion
 - (e) Annealing
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B.D.S.[3rd Year]

BF/2021/07

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. Discuss the etiology, clinical manifestations, diagnosis and management of Iron deficiency anaemia.
[4+4+3+4=15]
2. **Write Short Notes on :** [4x5=20]
 - (a) Dysphagia
 - (b) Pneumonia
 - (c) Avitaminosis
 - (d) Acute Nephritis
 - (e) Herpes Simplex

PART- B

3. Define Rheumatic fever. Discuss the clinical features, investigation and management of Rheumatic fever.
[5+5+5=15]
 4. **Write Short Notes on :** [4x5=20]
 - (a) Acute Hepatitis
 - (b) Migrain
 - (c) Hypothyroidism
 - (d) Meningitis
 - (e) ARDS (Acute Respiratory Distress Syndrome)
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B.D.S.[3rd Year]

BF/2021/07

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

PART- A

1. Discuss indications and complications of various Blood Products used in Surgical Practice. [15]
2. **Write Short Notes on :** [4x5=20]
- (a) Glasgow Coma Score (GCS)
 - (b) Necrotising Soft Tissue Infections
 - (c) Cystic Hygroma
 - (d) Non healing/ Malunion of a Fracture
 - (e) Complications of Burns

PART- B

3. Define and classify Goiters. Discuss aetiopathology, complications and management of Multinodular Goiter. [15]
4. **Write Short Notes on :** [4x5=20]
- (a) Frey's Syndrome
 - (b) Premalignant Conditions of Oral Cavity including Tongue
 - (c) Surgical Nutrition
 - (d) Pathology and Management of Cold Abscess
 - (e) Factors affecting Wound Healing

B.D.S.[3rd Year]

BF/2021/07

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 developmental disturbances of Jaws. Discuss Facial hemihypertrophy in detail with differential diagnosis. [15]
2. **Write Short Notes on :** [4x5=20]
- (a) Osteoradionecrosis
 - (b) Role of Micro organisms in Dental Caries
 - (c) Histopathological Features of Epithelial Dysplasia
 - (d) Focal Infection
 - (e) Warthin's Tumour

PART- B

3. Classify Odontogenic tumors of the Jaws. Describe clinical features, radiological features and histological features of Ameloblastoma. [15]
4. **Write Short Notes on :** [4x5=20]
- (a) Herpes Zoster
 - (b) Oral Manifestations of Iron Deficiency Anemia
 - (c) Cherubism
 - (d) Bite Marks
 - (e) Histologic Features of Dentigerous Cyst
-

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

BF/2021/07

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. Write differential diagnosis of Cervico- facial Lymphadenopathy. Discuss Infectious Mononucleosis in detail. [15]
2. **Write Short Notes on :** [4x5=20]
 - (a) Xerostomia
 - (b) Management of Oral Candidiasis
 - (c) Management of Diabetic Patients in Dental Clinic
 - (d) Dental Age Estimation
 - (e) Pyogenic Granuloma

PART- B

3. Discuss the Radiation Safety and protective measures in Dental Radiology department. Add a note on T.L.D. Badges. [15]
 4. **Write Short Notes on :** [4x5=20]
 - (a) Osteosarcoma of Jaw Bones
 - (b) 'SLOB' Technique
 - (c) Dentigerous Cyst
 - (d) Differential diagnosis of Periapical Radiolucencies
 - (e) Radiation Caries
-

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

BF/2021/07

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

PART A

1. Define and classify Handicapped Child. Discuss the management of a 5 year old Child with Congenital Heart disease who requires extraction of Primary Mandibular 2nd Molar [15]
2. **Write Short Notes on :** [4x5=20]
(a) Teething
(b) Acidulated Phosphate Fluoride
(c) Apexogenesis v/s Apexification
(d) Masochistic Habit
(e) Band & Loop Space Maintainer

PART B

3. Define and classify Oral Habits. Discuss etiology, clinical features and management of Mouth Breathing Habit. [15]
4. **Write Short Notes on :** [4x5=20]
(a) Strip Crown
(b) Chemo-mechanical Caries Removal
(c) Serial Extraction
(d) Acute Herpetic Gingivostomatitis
(e) Glass Ionomer Cement
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B.D.S. [Fourth Year/fourth Year(Final Prof.)]

BF/2021/07

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 Normal Occlusion? Describe in detail about Andrews' Six Keys to Normal Occlusion. [15]
2. **Write Short Notes on :** [4x5=20]
- (a) Jackson's Triad
(b) Growth Spurt
(c) Ugly Duckling Stage
(d) Dewey's Modification of Angle's Class I Malocclusion
(e) Tweed Analysis

PART B

3. Mention Phases of Tooth Movement? Describe in detail about Theories of Tooth Movement. [15]
4. **Write Short Notes on :** [4x5=20]
- a) Types of Force
b) Reciprocal Anchorage
c) Enumerate Methods of Gaining Space
d) Roberts Retractor
e) Dewel's Method of Serial Extraction

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

BF/2021/07

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. Define & classify Periodontal Pocket and describe the pathogenesis of pocket development. [15]

2. Write Short Notes on: [4x5=20]
 - (a) Conditioned Gingival Enlargement
 - (b) Classification of Furcation Defects
 - (c) Radius of Action
 - (d) Periodontal Disease Activity
 - (e) Chronic Periodontitis

PART B

3. Define & classify Periodontal Flap. Elaborate the procedure of Modified Widman Flap. [15]

4. Write Short Notes on : [4x5=20]
 - (a) Maintenance Phase/ Supportive Periodontal Treatment
 - (b) Guided Tissue Regeneration (G.T.R.)
 - (c) Steps of Resective Osseous Surgery
 - (d) Shabby Tooth Brush
 - (e) Blood Supply of Gingiva

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

BF/2021/07

Oral and Maxillofacial Surgery

[New Schemew.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. Define & classify Impacted Mandibular Third Molars. Outline the surgical steps for removal of Mesioangular impacted mandibular third molar. [15]
2. Write Short Notes on : [4x5=20]
 - (a) Dry Socket
 - (b) Preanaesthetic Medication
 - (c) Methods of Sterilization.
 - (d) Signs and Symptoms of Trigeminal Neuralgia
 - (e) Odontome

PART B

3. Classify Odontogenic Tumours. Discuss in detail the management of ameloblastoma of body of mandible in a 24 year old Male [15]
4. Write Short Notes on : [4x5=20]
 - (a) Syncope
 - (b) Cavernous Sinus Thrombosis
 - (c) Management of Anaphylaxis
 - (d) Ranula
 - (e) Alveoloplasty

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

BF/2021/07

Prosthodontics and Crown & Bridge

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

Time :3 Hours

Max Marks. :70

- Note:*
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 - 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.*

PARTA

1. Define and classify Pontic and write in detail about different types of Pontic. [15]
2. Write Short Notes on : [4x5=20]
 - (a) Face Bow
 - (b) RPI Clasp
 - (c) Biological Principles of Tooth Preparation
 - (d) Teeth Selection in Complete Denture
 - (e) Classify Cleft Lip & Cleft Palate

PART B

3. Enumerate different components of Cast Partial Denture. Design a cast partial denture for Mandibular arch with missing 36, 37, 38, 45, 46, 47, 48 and anterior teeth are periodontally weak in condition. [15]
 4. Write Short Notes on : [4x5=20]
 - (a) Kennedy's Classification of Edentulous Arch
 - (b) Provisionalization
 - (c) Immediate Denture
 - (d) Mandibular Major Connectors
 - (e) Connectors in Fixed Partial Denture
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B.D.S. [Fifth Year/fourth Year(Final Prof.)]

BF/2021/07

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. Enumerate principles of Cavity preparation. Differentiate between Class II cavity preparation for Silver amalgam and Inlay. [15]
2. Write Short Notes on : [4x5=20]
 - (a) Tarnish & Corrosion
 - (b) Delayed Expansion
 - (c) Casting Defects
 - (d) Wedges
 - (e) Methods of Detection of Caries

PART B

3. Classify Tooth discolouration. Write their causes and explain about Vital bleaching. [15]
4. Write Short Notes on : [4x5=20]
 - (a) Newer Techniques of Irrigation
 - (b) Standardization of Root Canal Instruments
 - (c) Internal Resorption
 - (d) Crack Tooth Syndrome
 - (e) Tooth Avulsion

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

BF/2021/07

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 Survey. Write briefly about role of Survey in Public Health. Describe in details various steps in conduction of Survey.

[2+4+9=15]

2. Write Short Notes on :

[4x5=20]

- (a) Methods of Tooth Brushing
- (b) Audio Visual Aids
- (c) Mechanism of Action of Fluorides
- (d) School Dental Nurse
- (e) Caries Activity Tests

PART B

3. Define Prevention. Write briefly about various level of Prevention. Write in details about prevention of periodontal diseases.

[2+4+9=15]

4. Write Short Notes on :

[4x5=20]

- (a) Oral Hygiene Index
 - (b) Screening
 - (c) Delta Dental Plan
 - (d) School Dental Health Programme
 - (e) Consent in Dental Care
-