

B.D.S. [1st Year]

BF/2020/12

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 Palate under the following heads : -** [5x3= 15]
(a) Hard Palate :- Formation, Nerve supply, Blood supply
(b) Soft Palate :- Muscles, Nerve supply
(c) Development and Congenital defects
2. **Write Notes on :-** [5x4=20]
(a) Development and Ossification of Bones of Skull vault
(b) Pterygopalatine Ganglion and its applied anatomy
(c) Superior Sagittal Sinus
(d) Facial Artery and its applied anatomy
(e) Boundaries and contents of Carotid triangle

PART - B

3. **Describe :-** [5+5+5=15]
(a) Azygous Vein
(b) Inlet of Thorax
(c) Diaphragm
4. **Write Notes on :-** [5x4=20]
(a) Histology of Small Intestines
(b) Right Coronary artery
(c) OTIC Ganglion
(d) Masseter (Origin, Insertion, Nerve supply, Action and Relations)
(e) C.S.F. Circulation

B.D.S. [1st Year]

BF/2020/12

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. Describe Blood Pressure. Explain the role of its determinants. Discuss the mechanisms of Short term regulation.

[1+5+9= 15]

2. Write Short Notes on :

[4x5=20]

- (a) Sodium Potassium ATPase Pump
- (b) Respiratory Centers
- (c) Synaptic Transmission
- (d) Menstrual Cycle
- (e) Regulation of Glomerular Filtration Rate

SECTION- B

QP Code:BDN103

[BIOCHEMISTRY]

[35]

1. Discuss Urea Cycle in detail. Write a note on the associated metabolic disorders of Urea Cycle.

[15]

2. Write Short Notes on :

[4x5=20]

- (a) Isoenzymes with example
 - (b) Essential Fatty Acids with examples
 - (c) Fluorosis
 - (d) Isomerism in Carbohydrates
 - (e) Genetic Code
-

B.D.S. [1st Year]

BF/2020/12

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. Give the chemical composition of Saliva and write a detailed account on the function of each of these components. [15]
2. Write Short Notes on :- [4x5=20]
 - (a) Cemento Enamel Junction
 - (b) Side Traits of Maxillary Canine
 - (c) Development of Tongue
 - (d) Non Keratinocytes
 - (e) Maxillary Sinus

PART- B

3. Differentiate between Keratinized and Non Keratinized Mucosa. Add a note on Functions of Oral Mucosa. [15]
4. **Write Short Notes on :** [4x5=20]
 - (a) Occlusal aspect of Mandibular 2nd Premolar
 - (b) Development of Mandible
 - (c) Side Traits of Maxillary First Molar (Permanent) from Occlusal Aspect
 - (d) Week Two of Intrauterine Life
 - (e) Pulp Calcifications

B.D.S.[2nd Year]

BF/2020/12

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 β - blockers. Write mechanism of action, therapeutic uses and adverse effects of Propranolol. [15]
2. Write Short Notes on : [5x4=20]
 - (a) Adverse Drug Reactions
 - (b) Diazepam
 - (c) Lignocaine
 - (d) Furosemide

PART-B

3. Classify Glucocorticoids. Write mechanism of action, therapeutic uses and adverse effects of glucocorticoids. [15]
 4. Write Short Notes on : [5x4=20]
 - (a) Vitamin E
 - (b) Styptic Agents
 - (c) Chloroquine
 - (d) Antacids
-

B.D.S.[2nd Year]

BF/2020/12

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 chemical mediators of Inflammation. Discuss role of free radicals. [15]
2. **Write Short Notes on :** [4x5=20]
 - (a) Leukoplakia
 - (b) Phagocytosis
 - (c) Differences between Dry and Wet Gangrene
 - (d) Pathological Calcification
 - (e) P.B.F. and B.M. findings of Megaloblastic Anaemia

SECTION B

QP Code: BDN202 (MICROBIOLOGY) [35]

1. Define Urinary Tract Infection. Enumerate the bacteria causing UTI & discuss laboratory diagnosis. [15]
2. **Write Short Notes on :** [4x5=20]
 - (a) Enriched Culture Media
 - (b) ELISA Test
 - (c) Culture Media and Methods used in Mycology
 - (d) Extra Intestinal Amoebiasis
 - (e) Dental caries- Microbiology & Pathogenesis

B.D.S.[2nd Year]

BF/2020/12

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 in detail Dental casting procedure. Also write about heat sources for melting and the casting. [15]
2. **Write Short Notes on :** [4x5=20]
 - (a) Classification of Dental Waxes
 - (b) Macro and Micro Hardness Tests
 - (c) Sandwich Technique
 - (d) Hardening and Softening Heat Treatment of Alloys
 - (e) Zinc oxide- eugenol Cement and its Modifications

PART- B

3. What are Ceramics? Classify Dental Ceramics and write about bonding of porcelain to Metal & also benefits & drawbacks of Metal Ceramics. [15]
 4. **Write Short Notes on :** [4x5=20]
 - (a) Etchant and Acid etch Technique
 - (b) Addition Silicone Impression Technique
 - (c) Trituration and Mulling of Dental Amalgam
 - (d) What are Gypsum Products? Write their classification, usage and properties
 - (e) Differentiate between Soldering, Welding and Brazing
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B.D.S.[3rd Year]

BF/2020/12

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 risk factor, clinical manifestation, pathophysiology & management of Infective Endocarditis.
[4+4+3+4=15]
2. **Write Short Notes on :** [4x5=20]
 - (a) Gingival Hyperplasia
 - (b) Etiology and Investigation in Chronic Hepatitis
 - (c) Congestive Cardiac Failure
 - (d) Trigeminal Neuralgia
 - (e) Etiology, Pathogenesis and Management of Nosocomial Pneumonia

PART- B

3. Discuss Calcium Metabolism with special reference to Hypocalcemia and Hypercalcemia.
[5+5+5=15]
 4. **Write Short Notes on :** [4x5=20]
 - (a) Balanced Diet and various Nutritional Disorders
 - (b) Bell's Palsy
 - (c) Thyrotoxicosis
 - (d) Clinical Features and Differential Diagnosis of Enteric Fever
 - (e) Oral Manifestations of AIDS
-

B.D.S.[3rd Year]

BF/2020/12

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. Enumerate tumours of the Salivary Glands. Discuss clinical features and management of Pleomorphic Adenoma in detail [15]
2. **Write Short Notes on :** [4x5=20]
 - (a) Moist Gangrene
 - (b) Sterilization
 - (c) Vincent's Angina
 - (d) Complications of Thyroidectomy
 - (e) Cleft Palate

PART- B

3. Define and classify Wounds. Discuss the stages of wound healing and general principles of management of wounds. [15]
 4. **Write Short Notes on :** [4x5=20]
 - (a) Quinsy
 - (b) Non- absorbable Sutures
 - (c) Carcinoma Lip
 - (d) Septecemia
 - (e) Actinomycosis
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B.D.S.[3rd Year]

BF/2020/12

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 Odontogenic Cysts of the Oral Cavity. Describe the etiology, clinical features and histopathology of Periapical Cyst. [15]
2. **Write Short Notes on :** [4x5=20]
 - (a) Rugoscopy
 - (b) Tobacco Pouch Keratosis
 - (c) Fibrosarcoma
 - (d) Ghost Teeth
 - (e) Fibrous Dysplasia

PART- B

3. Classify Salivary Gland Neoplasms. Describe Pleomorphic Adenoma in detail. [15]
 4. **Write Short Notes on :** [4x5=20]
 - (a) Rickets
 - (b) Oral Nevus
 - (c) Oral Candidiasis
 - (d) Oral Manifestations of AIDS
 - (e) Ectodermal Dysplasia
-

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

BF/2020/12

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 Vesicle, Bulla, ULCER and EROSION. Classify Vesiculobullous and Ulcerative lesions of Oral mucous membrane. Add a note on Recurring oral ulcers. [15]
2. **Write Short Notes on :** [4x5=20]
 - (a) Drug Induced Gingival Enlargements
 - (b) Investigations in Oral Malignancies
 - (c) Melanosis Associated with Systemic or Genetic Diseases
 - (d) Burning Mouth Syndrome
 - (e) Antibiotic Prophylaxis against Infective Endocarditis in Dentistry

PART- B

3. Enumerate Intra Oral Radiographic Techniques. Describe in detail Maxillary true cross sectional view. [15]
 4. **Write Short Notes on :** [4x5=20]
 - (a) Radiographic appearance of Compound and Complex Odontomas
 - (b) Oral Mucositis
 - (c) Radiographic appearance of Paget's disease in Maxillofacial Region
 - (d) Pericoronal Radiolucencies
 - (e) Collimation and Filtration
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B.D.S. [Fourth Year/fourth Year(Final Prof.)]

BF/2020/12

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. Classify Traumatic injuries to the Teeth (Cellis & Davies). Write in detail about management of Ellis cl- III #. [15]
2. **Write Short Notes on :** [4x5=20]
- (a) ART
(b) Diet Counselling for High Caries Risk Patient
(c) Mouth Breathing Habit
(d) GIC
(e) Ugly - Duckling Stages

PART B

3. Define Behaviour shaping and Behaviour management. Classify & write in detail about Non- pharmacological methods of behaviour management. [15]
4. **Write Short Notes on :** [4x5=20]
- (a) Thumb Sucking Habit
(b) Caries Activity Tests
(c) Molar Relationship of Primary Dentition
(d) Define Child Abuse & Neglect. Write about Battered Child Syndrome
(e) Distal Shoe Space Maintainer
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B.D.S. [Fourth Year/fourth Year(Final Prof.)]

BF/2020/12

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 post natal growth and development of Mandible. [15]
2. **Write Short Notes on :** [4x5=20]
- (a) Role of Genetic and Epigenetic Factors in Growth
- (b) Orbital Law of Canine
- (c) Cephalostat
- (d) Age Factors in Orthodontics
- (e) Optimum Orthodontic Force

PART B

3. Define Retention and Relapse. Explain various theories of retention. [15]
4. **Write Short Notes on :** [4x5=20]
- a) Use of Muscle Exercises in Orthodontics
- b) Kloehn Headgear
- c) Lower Inclined Plane
- d) Self Correcting Malocclusion of Primary Dentition
- e) CSF Procedure
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B.D.S. [Fourth Year/fourth Year(Final Prof.)]

BF/2020/12

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. Discuss the Periodontal ligament fibers in detail along with their function. Also discuss the functions of periodontal ligament. [15]

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

(a) Dentogingival Unit

(b) Differentiate between Acellular and Cellular Cementum

(c) Gingival Bleeding

(d) Interdental Cleaning Aids

(e) Tooth Mobility

PART B

3. Define Dental Plaque. Discuss in details the steps in the formation of dental plaque. [15]

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

(a) Pathological Migration

(b) Vertical/ Angular Bone destruction patterns in Periodontal disease

(c) Define Gingival recession and discuss its etiological factors

(d) Indications and Contraindications of Gingivectomy procedure

(e) Pericoronitis

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

BF/2020/12

Oral and Maxillofacial Surgery

[New Schemew.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 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 Condylar Fractures. Discuss its sign & symptoms and management. [15]
2. Write Short Notes on : [4x5=20]
 - (a) Pterygomandibular Space Infection
 - (b) Classification of Impacted Maxillary Canine
 - (c) Complication of L.A.
 - (d) TNM Classification
 - (e) Removal of Root from Maxillary Sinus

PART B

3. Define Ankylosis. Classify TMJ Ankylosis and discuss clinical features & management of Bilateral TMJ Ankylosis of 9 years old Female Patient. [15]
4. Write Short Notes on : [4x5=20]
 - (a) Odontogenic Keratocyst
 - (b) Alveoplasty
 - (c) Preanaesthetic Medication
 - (d) Floating Maxilla
 - (e) Ranula

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

BF/2020/12

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 Balanced Occlusion. Enumerate and describe factors affecting balanced occlusion. [15]
2. **Write Short Notes on :** [4x5=20]
 - (a) Classify Articulators
 - (b) Indirect Retainers
 - (c) Provisional Restoration
 - (d) Advantages & Disadvantages of Overdenture
 - (e) Posterior Palatal Seal

PART B

3. Define Direct retainers. Classify extra coronal direct retainers. Discuss the application & design of RPI clasp. [15]
 4. **Write Short Notes on :** [4x5=20]
 - (a) Linguoplate Major Connector
 - (b) Define Centric Relation & give its Significance
 - (c) Functional Impression Technique in Cast Partial Denture
 - (d) Finishing Lines in Tooth Preparation
 - (e) Die Material & Die Systems
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B.D.S. [Fifth Year/fourth Year(Final Prof.)]

BF/2020/12

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. Describe in detail Stepwise Class II cavity preparation on Mandibular First Molar (with appropriate diagrams).

[15]

2. **Write Short Notes on :**

[4x5=20]

- (a) Pre-carve and Post- carve Burnishing in Amalgam
- (b) Instrument Nomenclature and Instrument Formula
- (c) Pain Management in Operative Dentistry
- (d) Zinc- Phosphate Cement
- (e) Bur Design

PART B

3. Give classification of Traumatic dental injuries and management of both (mature and immature) avulsed Permanent Maxillary Central Incisor.

[15]

4. **Write Short Notes on :**

[4x5=20]

- (a) Step-back Technique of Biomechanical Preparation
 - (b) Properties of Ideal Root Canal Filling Material
 - (c) Lasers in Endodontics
 - (d) Low-speed Rotary Instruments
 - (e) Principles of Endodontic Treatment
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B.D.S. [Fifth Year/Fourth Year(Final Prof.)]

BF/2020/12

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 Potable Water. Write briefly about Chlorination of water. Describe in details about Purification of water at large scale. [2+4+9=15]
2. Write Short Notes on : [4x5=20]
- (a) Phases of Public Health
 - (b) Normal Curve
 - (c) Atraumatic Restorative Treatment
 - (d) UNICEF
 - (e) Role of Vitamins in Oral Health

PART B

3. Define Epidemiology. Classify epidemiological studies. Write in details about Case control study. [2+4+9=15]
4. Write Short Notes on : [4x5=20]
- (a) Epidemiological Triad
 - (b) Fluoride Varnishes
 - (c) Epidemic, Endemic and Pandemic
 - (d) Comprehensive Dental Care
 - (e) Infection Control in Dental Practice
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