

B.D.S. [1st Year]

BF/2023/08

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 Orbital cavity under following headings :-** [5x3=15]
(a) Bones forming orbit and walls of orbit
(b) Muscles of Eyeball, their actions & nerve supply
(c) Blood vessels in the orbit
2. **Write Short Notes on :-** [5x4=20]
(a) External Carotid Artery and its branches
(b) Trigeminal Nerve
(c) Palatine Tonsil
(d) Embryology of Tongue
(e) Lacrimal Apparatus

PART - B

3. **Describe the following :-** [5x3=15]
(a) Right Coronary Artery
(b) Pleura and its nerve supply
(c) Typical Intercostal Nerve
4. **Write Notes on :-** [5x4=20]
(a) Histology of Parotid Gland
(b) Sub Mandibular Gland and its nerve supply
(c) Temporalis (origin, insertion, nerve supply and actions)
(d) Nerve supply of Tongue
(e) Vermiform Appendix
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B.D.S. [1st Year]
BF/2023/08
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. What are the Mechanics of Respiration. Discuss about the neural regulation of respiration.
[15]
2. Write Short Notes on : [4x5=20]
 - (a) Transport Mechanisms across Cell Membrane
 - (b) Baroreflex
 - (c) UMN Vs LMN Lesion
 - (d) GFR
 - (e) Functions of Thyroid Hormone

SECTION- B

QP Code:BDN103

[BIOCHEMISTRY]

[35]

1.
 - (i) Explain Cholesterol Synthesis and its regulation.
 - (ii) Discuss the types of Enzyme Inhibitions with suitable examples.
[8+7= 15]
2. Write Short Notes on : [4x5=20]
 - (a) Functions of Vitamin D
 - (b) Genetic Code
 - (c) Importance of HMP pathway and G-6PD deficiency
 - (d) Specialized products formed from Tyrosine
 - (e) Essential Fatty Acids

B.D.S. [1st Year]
BF/2023/08
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 the various stages in the life cycle of an Ameloblast with suitable diagrams and write the clinical considerations during various stages. [15]
2. Write Short Notes on :- [4x5=20]
 - (a) Compensating Curves in Occlusion
 - (b) Theories of Dentinal Hypersensitivity
 - (c) Development of Palate
 - (d) Ductal System of Major Salivary Glands
 - (e) Odontoclasts

PART- B

3. Describe the microscopic and macroscopic structure of Temporo Mandibular Joint in detail. [15]
 4. **Write Short Notes on :** [4x5=20]
 - (a) Keratinized Epithelium
 - (b) Alveolar Bone
 - (c) Tome's Granular Layer
 - (d) Hypocalcified structure of Enamel
 - (e) Components of Speech
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B.D.S.[2nd Year]

BF/2023/05

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 O.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.

- [7¹/₂ x 2 = 15]
1. (a) What are Chemical mediators of inflammation? Tabulate them and discuss cell derived mediators.
(b) Differentiate between Primary and Secondary union of skin wounds.
2. **Write Short Notes on :** [4x5=20]
(a) Type III hypersensitivity reaction
(b) Lichen planus
(c) Fibrous dysplasia
(d) Idiopathic thrombocytopenic purpura (ITP)
(e) Tumour markers

SECTION B

QP Code: BDN202 (MICROBIOLOGY) [35]

1. What are the different antigen antibody reactions? Describe their principle and applications. [15]
2. **Write Short Notes on :** [4x5=20]
(a) Pasteurization
(b) Type II hypersensitivity reaction
(c) Bacterial spores
(d) Classical pathway of complement
(e) Conjugation and transduction

B.D.S.[2nd Year]

BF/2023/05

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. Discuss the factors affecting Drug action. [15]
2. **Write Short Notes on :** [5x4=20]
 - (a) Isoniazid
 - (b) Morphine
 - (c) Treatment of status epilepticus
 - (d) Furosemide

PART- B

3. Classify Anti-peptic ulcer drugs. Discuss mechanism of action, therapeutic uses and adverse effects of Omeprazole. [15]
 4. **Write Short Notes on :** [5x4=20]
 - (a) Propranolol
 - (b) Insulin preparations
 - (c) Disclosing agents
 - (d) Mummyfying agents
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B.D.S.[2nd Year]

BF/2023/05

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 Impression Materials. Discuss the dimensional stability of Hydrocolloid impression materials along with the method of disinfection of it.
[15]
2. **Write Short Notes on :** [4x5=20]
 - (a) Hygroscopic setting expansion
 - (b) Mercury toxicity
 - (c) Acid etch technique
 - (d) Corrosion
 - (e) Impression plaster

PART- B

3. Classify Dental investment materials and discuss in detail about Gypsum bonded investments.
[15]
 4. **Write Short Notes on :** [4x5=20]
 - (a) Metal free ceramics
 - (b) Polishing agents
 - (c) Reinforced GIC
 - (d) Soldering
 - (e) Stress & Strain
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B.D.S.[3rd Year]

BF/2023/02

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. Discuss etiopathogenesis, clinical features and management of Pulmonary Tuberculosis in a Male patient weighing 58 kg.
[5+3+7=15]
2. **Write Short Notes on :** [4x5=20]
 - (a) Clinical features & investigations in Acute Rheumatic Fever
 - (b) Pathophysiology & clinical features of Atrial Septal Defect
 - (c) Investigations in a case of Acute Viral Hepatitis
 - (d) Clinical features & treatment of Amoebic Liver Abscess
 - (e) Staging & treatment in a patient of Chronic Kidney Disease

PART- B

3. Enlist complications of Diabetes Mellitus. Discuss precipitating factors, clinical features & management of Diabetic Ketoacidosis.
[2+3+4+6=15]
 4. **Write Short Notes on :** [4x5=20]
 - (a) Clinical features & treatment of Migraine
 - (b) Grand Mal Epilepsy
 - (c) Megaloblastic Anaemia
 - (d) Respiratory manifestations of AIDS
 - (e) Vitamin A Deficiency
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B.D.S.[3rd Year]

BF/2023/02

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. Describe in detail about Cervical Lymphadenopathy. [15]
2. **Write Short Notes on :** [4x5=20]
 - (a) FNAC
 - (b) Thyroglossal cyst
 - (c) Sebaceous cyst
 - (d) Gas gangrene
 - (e) Post operative complication

PART- B

3. Enumerate Salivary glands and describe their diseases & management. [15]
4. **Write Short Notes on :** [4x5=20]
 - (a) Collar stud abscess
 - (b) Compound fracture
 - (c) Blood transfusion reaction
 - (d) Universal precaution for HIV infection
 - (e) Different types of Sutures

B.D.S.[3rd Year]

BF/2023/02

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 Malignant Tumors of Epithelial tissue origin of the Oral cavity. Discuss the etiology, pathophysiology, clinical features, radiological features & histological features of Squamous cell carcinoma.

[15]

2. **Write Short Notes on :**

[4x5=20]

- (a) Facial Hemiatrophy
- (b) Neurofibroma
- (c) Biopsy
- (d) Pernicious Anemia
- (e) Burning Mouth Syndrome

PART- B

3. Classify Odontogenic Tumors. Write in detail the pathogenesis, clinical features, radiological features & histological features of Fibrous dysplasia.

[15]

4. **Write Short Notes on :**

[4x5=20]

- (a) Healing of Extraction wound
 - (b) Radiological features and histological features of Dentigerous cyst
 - (c) Dento- Alveolar Abscess
 - (d) Dental Age estimation method
 - (e) Erosion
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B.D.S. [Fourth Year/fourth Year(Final Prof.)]

BF/2022/12

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. Enumerate the Benign tumours of the Oral cavity. Describe clinical features, radiographic appearance and differential diagnosis of Ameloblastoma. [15]
2. **Write Short Notes on :** [4x5=20]
 - (a) Treatment of Candidiasis
 - (b) Etiology and clinical presentation of Sialolithiasis
 - (c) Hairy Tongue
 - (d) Explain in brief oral considerations of Mucormycosis.
 - (e) Oral manifestations of Iron deficiency anemia

PART- B

3. Discuss Radiation protection in detail. [15]
 4. **Write Short Notes on :** [4x5=20]
 - (a) Composition of X-ray film
 - (b) Radiographic appearance of Nasopalatine duct cyst
 - (c) Effects of radiation on Maxilla and Mandible
 - (d) Radiographic density
 - (e) Causes of Film fog
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B.D.S. [Fourth Year/fourth Year(Final Prof.)]

BF/2022/12

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

PART A

1. Define Pulpotomy. Discuss the pulpotomy techniques and agents in Primary Teeth. [15]

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

(a) Ugly duckling stage

(b) Importance of First permanent molar

(c) Cariogram model

(d) ANUG

(e) Teething

PART B

3. Define Dental caries. Discuss in detail the caries diagnostic methods. [15]

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

(a) Indications and contraindications of Stainless steel crown

(b) Natal and neonatal Teeth

(c) Difference in cavity preparation of Primary and Permanent Teeth

(d) Battered child syndrome

(e) 1.23% APF gel

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

BF/2022/12

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 the Post natal growth of Face with special emphasis on Mandible in detail. [15]
2. **Write Short Notes on :** [4x5=20]
(a) Wolfe's Law
(b) Incisal liability
(c) Labial bow
(d) Open bite
(e) Class III malocclusion

PART B

3. What are the different diagnostic Aids. Describe any one in detail. [15]
4. **Write Short Notes on :** [4x5=20]
a) Coffin spring
b) Wits appraisal
c) Expansion
d) Bolton's Analysis
e) Chin Cup
-

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

BF/2022/12

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

PART A

1. Define Prognosis. Discuss the factors in determination of prognosis. Add a note on the relationship of diagnoses and prognosis.

[15]

2. Write Short Notes on:

[4x5=20]

- (a) Functions of Periodontal ligament
- (b) Interdental cleansing aids
- (c) Management of Pregnancy gingivitis
- (d) Effects of smoking on Periodontal disease progression
- (e) Bone grafts in Periodontics

PART B

3. Define and Classify Furcation involvement. Discuss the management of Grade II Furcation involvement.

[15]

4. Write Short Notes on :

[4x5=20]

- (a) Patterns of bone destruction in Periodontitis
 - (b) Suture materials
 - (c) Lasers in Periodontal treatment
 - (d) Periodontal abscess v/s Periapical abscess
 - (e) Peri-implantitis
-

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

BF/2022/12

Oral and Maxillofacial Surgery

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

Time : 3 Hours

Max Marks.:70

- Note:*
- 1.) *Attempt all questions.*
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 - 3.) *NO SUPPLEMENTARY SHEET SHALL BE ALLOWED/PROVIDED*
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 - 5.) *Illustrate answers with suitable schematic diagrams.*

PART A

1. Classify Impacted Maxillary Canine. How would you remove palatally impacted canine. Illustrate with diagrams also.
[15]
2. **Write Short Notes on :** [4x5=20]
 - (a) Tracheostomy
 - (b) Caldwell Luc operation
 - (c) Infra orbital nerve block
 - (d) Toxicity of Lignocaine hydrochloride
 - (e) Complication of blood transfusion

PART B

3. Classify Haemorrhage. How would you manage post extraction bleeding in patient on anticoagulant therapy.
[15]
 4. **Write Short Notes on :** [4x5=20]
 - (a) Sialolithiasis
 - (b) Ludwig's angina
 - (c) Le Fort fractures classification
 - (d) Pre anaesthetic Medication
 - (e) Oro antral Fistula
-

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

BF/2022/12

Prosthodontics and Crown & Bridge

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

Time :3 Hours

Max Marks. :70

- Note:** 1.) *Attempt all questions.*
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3.) ***NO SUPPLEMENTARY SHEET SHALL BE ALLOWED/PROVIDED***
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5.) *Draw neat and labelled diagrams wherever necessary.*

PART A

1. Describe in detail Biomechanical principles of Tooth preparation & write procedure of preparation of Maxillary central incisor to receive Porcelain Jacket Crown. [15]
2. **Write Short Notes on :** [4x5=20]
- (a) Over denture
 - (b) Provisional restoration
 - (c) Function impression technique in Cast partial denture
 - (d) Articulators
 - (e) Centric relation

PART B

3. Define Impression. Write aims and objectives of impression? Write in detail about factors affecting retention in complete denture. [15]
4. **Write Short Notes on :** [4x5=20]
- (a) Linguoplate major connector
 - (b) Residual ridge resorption
 - (c) Major connector in Cast partial denture
 - (d) Finishing lines in Tooth preparation
 - (e) Luting cements
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B.D.S. [Fifth Year/fourth Year(Final Prof.)]

BF/2022/12

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. Glass Ionomer cement- Composition, indications, properties, advantages and disadvantages. Add a note on recent advances in glass ionomer cement.

[15]

2. **Write Short Notes on :**

[4x5=20]

- (a) Rapid and slow separators
- (b) Sterilization and disinfection
- (c) Difference in amalgam and inlay cavity preparation
- (d) Delayed expansion in amalgam
- (e) Moisture control in operative field

PART B

3. Classify Endodontic instruments. Describe standardization of endodontic instruments and objectives of biomechanical preparation.

[15]

4. **Write Short Notes on :**

[4x5=20]

- (a) Phoenix abscess
 - (b) E.D.T.A. in Endodontics
 - (c) Define Access cavity. Enumerate laws of access cavity preparation.
 - (d) Non- vital bleaching
 - (e) Define Working length & significance of working length determination
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B.D.S. [Fifth Year/Fourth Year(Final Prof.)]

BF/2022/12

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 O.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 case-control study. [15]

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

- (a) Randomized controlled trial
- (b) Pit and Fissure Sealant
- (c) Iceberg Phenomena
- (d) Dental auxiliary
- (e) Normal curve

PART B

2. Define Health Education. Discuss the principles of Health Education. What are the barriers of Health Education? [15]

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

- (a) Water Borne Disease
- (b) Nicotine replacement therapy
- (c) Principles of Primary health care
- (d) Dental Fluorosis
- (e) Vipeholm study
