

**B.D.S. 1st YEAR ANNUAL EXAMINATION, JULY 2016****(ANATOMY)**  
**(Paper Code : 0210101)****Time : 03 Hrs.****Maximum Marks : 70****Instructions :**

1. Write your Roll No. on the Question Paper.
2. Candidate should ensure that the question paper supplied to them is complete in all respect. Complaints in this regard, if any, should be made to the invigilatory staff on duty in the exam centre within 15 Minutes of the commencement of the exam. No complaint shall be entertained thereafter.
3. Attempt all the questions and parts of a question in a sequential order.
4. Attempt Part I and II in separate answer-books.
5. Draw labelled diagram wherever required.

**Part I**

1. Describe the organ, course, branches and applied anatomy of Mandibular nerve 9
2. Give the anatomical/ Embryological basis of any *four* of the following : 4×5=20
  - (a) Cleft Palate
  - (b) Black Eye
  - (c) Lock Jaw
  - (d) Torticolis (wry neck)
  - (e) Dangerous area of Face
3. Write in brief about any *three* of the following : 3×2=6
  - (a) Derivatives of 1st pharyngeal arch
  - (b) Synovial joints
  - (c) Histology of Palatine Tonsil
  - (d) Lymphatic drainage of Tongue.

**Part II**

4. Describe the location, features, relations, blood supply and applied anatomy of Thyroid gland. 9
5. Attempt any *four* of the following : 4×5=20
  - (a) Functional areas on the superolateral surface of cerebral hemisphere
  - (b) Parotid bed
  - (c) Blood supply of Heart
  - (d) Lateral wall of the Nose
  - (e) Visceral surface of Spleen.
6. Write short notes on any *three* of the following : 3×2=6
  - (a) Turner's syndrome
  - (b) Implantation of Ovum
  - (c) Branches of external carotid artery
  - (d) Medial Pterygoid muscle.

**B.D.S. 1st YEAR ANNUAL EXAMINATION, JULY 2016****(PHYSIOLOGY, PAPER CODE :- 210102)****Time : 03 Hrs.****Maximum Marks : 70****Instructions :**

1. Write your Roll No. on the Question Paper.
2. Attempt all the questions and parts of a question should be attempted in sequential order.
3. The question paper consists of two Parts : Part I and Part-II *having 35 maximum marks for each. Use separate answer books for Part-I and Part-II.* Any mistake in this regard will be the responsibility of the examinee, and no complaint will be entertained after the examination.
4. Draw the diagram wherever required.

**Part I**

1. **Long Essay :**  
Explain the functions of growth hormone. What are the salient features of the hypo and hyper secretion of growth hormone ? 9
2. **Short Essay : (Attempt any four of the following questions) :** 4×5=20  

(a) Stretch reflex	(d) Properties of receptors
(b) Dorsal column medial lemniscal system	(e) Tests for detection of ovulation
(c) Molecular mechanism of muscle contraction	
3. **Brief answers : (Attempt any three of the following questions) :** 3×2=6  

(a) Mechanism of accommodation (focusing)	(c) Parturition
(b) Functions of Skin	(d) Conduction deafness

**Part II**

4. **Long Essay :**  
Define Cardiac cycle and describe the ventricular events during cardiac cycle. 9
5. **Short Essay : (Attempt any four of the following questions) :** 4×5=20  

(a) Functions of plasma proteins	(d) Juxtaglomerular apparatus
(b) Regulation of gastric secretion	(e) Transport of CO <sub>2</sub> in venous blood
(c) Composition and functions of surfactant	
6. **Brief answers : (Attempt any three of the following questions) :** 3×2=6  

(a) MCHC	(c) Endocrine functions of kidney
(b) Two changes in ECG in MI	(d) Functions of bile

**B.D.S. 1st YEAR PROFESSIONAL EXAMINATION, JULY 2016**  
**(BIOCHEMISTRY, PAPER CODE :- 0210103)**

Time : 03 Hrs.

Maximum Marks : 70

**Instructions :**

1. Write your Roll No. on the Question Paper.
2. Parts of a question should be attempted in sequential order.
3. Use separate answer books for Part-I and Part-II.
4. Candidate should ensure that the question paper supplied to them is complete in all respect. Complaints in this regard, if any, should be made to the invigilatory staff on duty in the exam centre with in 15 Minutes of the commencement of the exam. No complaint shall be entertained thereafter.
5. Draw the diagram and label it neatly wherever necessary.

**Part I****Long Essay :**

1. What are Enzymes ? Describe their classification and nomenclature. 9

**Short Notes on :**

2. Attempt any *four* of the following questions : 4×5=20
- |                                |                                 |
|--------------------------------|---------------------------------|
| (a) Glycogen storage disorders | (d) Protein energy malnutrition |
| (b) Anion gap                  | (e) Hyperlipoproteinemias       |
| (c) Facilitated Transport      |                                 |

**Write briefly :**

3. Attempt any *three* of the following questions : 3×2=6
- |             |                           |
|-------------|---------------------------|
| (a) Elastin | (c) Ketosis               |
| (b) GTT     | (d) van den berg reaction |

**Part II****Long Essay :**

4. Describe chemistry, sources, functions deficiency manifestations and daily requirements of Vitamin D. 9

**Short Essay :**

5. Attempt any *four* of the following questions : 4×5=20
- |                             |                        |
|-----------------------------|------------------------|
| (a) 2,3 bisphosphoglycerate | (d) Hemoglobinopathies |
| (b) Essential amino acids   | (e) Glycosaminoglycans |
| (c) Dental Fluorosis        |                        |

**Write briefly :**

6. Attempt any *three* of the following questions : 3×2=6
- |                         |                                     |
|-------------------------|-------------------------------------|
| (a) Hyperglycemia       | (c) <i>t</i> -RNA                   |
| (b) Give causes of Gout | (d) Secondary structure of protein. |

**B.D.S. 1st YEAR ANNUAL EXAMINATION, JULY 2016**  
**(DENTAL ANATOMY, ORAL HISTORY, PAPER CODE :- 0210104)**

Time : 03 Hrs.

Maximum Marks : 70

**Instructions :**

1. Write your Roll No. on the Question Paper.
2. Attempt all the questions and parts of a question should be attempted in sequential order.
3. The question paper consists of two Parts : Part I and Part-II *having 35 maximum marks for each. Use separate answer books for Part-I and Part-II.* Any mistake in this regard will be the responsibility of the examinee, and no complaint will be entertained after the examination.
4. Draw the diagram wherever required.

**Part I****Long Essay :**

1. Enumerate stages of development of tooth. Describe bell stage in detail. 9

**Short Essay :**

2. Attempt any *four* of the following questions : 4×5=20

(a) Chronology of permanent dentition	(d) Classification of cementum
(b) Ductal system of salivary glands	(e) Zones of pulp.
(c) Functions of maxillary sinus	

**Brief Answers :**

3. Attempt any *three* of the following questions : 3×2=6

(a) Enamel Lamellae	(c) Types of Dentin
(b) Cusp, Tubercle	(d) Fibres of Periodontal Ligament

**Part II****Long Essay :**

4. Enumerate Hypocalcified structures of enamel. Write in detail about amelogenesis. 9

**Short Essay :**

5. Attempt any *four* of the following questions : 4×5=20

(a) Theories of Dentinal Hypersensitivity	(d) Incremental Lines of Dentin
(b) Development of Tongue	(e) Reciprocal Induction.
(c) Formation of Saliva	

**Brief Answers :**

6. Attempt any *three* of the following questions : 3×2=6

(a) Occlusal surface of maxillary 1st premolar	(c) Functions of TMJ
(b) Odontoblast	(d) Cancerhan's cells.



11