

# B.D.S. [1<sup>st</sup> Prof.]

BF/2009/07

## General Human Anatomy

[New Scheme w.e.f 2007 admission]

**M.M. : 70**

**Time : 3 Hours**

*Note :* Attempt all questions.

Illustrate your answers with suitable diagrams.

**USE SEPARATE ANSWER SHEET FOR EACH PART.**

### PART - I

1. Describe briefly Laryngeal cartilage and add a note on Nerve supply of Larynx. [12]
2. **Write short notes on:**
  - a. Tributaries of Inferior Vena Cava. [4]
  - b. Corpus Callosum. [4]
  - c. Histology of Trachea. [4]
3. **Describe briefly:**
  - a. Dangerous layer of Scalp. [5]
  - b. Cervical Lymph nodes. [6]

### PART - II

4. **Write short notes on:**
  - a. Parotid duct. [3]
  - b. Development of Palate and Congenital anomaly. [4]
  - c. External Carotid artery. [4]
5. **Describe Muscles of Mastication under following headings:** [12]
  - a. Origin.
  - b. Nerve supply.
  - c. Insertion.
  - d. Action.
6.
  - a. Draw and label Lateral wall of Nasopharynx. [6]
  - b. Discuss briefly Lymphatic supply of Tongue with its applied anatomy. [6]

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**General Human Physiology  
&  
Biochemistry**

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**M.M. : 70**

**Time : 3 Hours**

*Note :* Attempt all questions.

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**PART – I  
[PHYSIOLOGY]**

1. Define Arterial Blood Pressure. What are its components. Describe the factors which affect the Arterial blood pressure. [1+2+5=8]
2. **Write short notes on:**
  - a. Functions of Gastric Juice. [4]
  - b. Acromegaly. [4]
  - c. Normal ECG[Electro Cardiogram]. [4]
3. **Write briefly about:**
  - a. Menstrual cycle. [5]
  - b. Renin-Angiotensin system. [5]
  - c. Functions of Leucocytes. [5]

**PART – II  
[BIOCHEMISTRY]**

1. **Discuss:**
  - a. Gluconeogenesis: its various substrates and regulatory enzymes. [5]
  - b. Specialized products synthesized from Tyrosine. [5]
  - c. Phospholipids and their functions. [4]
2. **Describe:**
  - a. Vitamin A and its biochemical role. [4]
  - b. Inhibitors of Protein synthesis. [4]
  - c. Iron absorption, storage and transport. [4]
3. **Write short notes on the following:**
  - a. Dietary fibres and their importance. [3]
  - b. Differential diagnosis of Jaundice. [3]
  - c. Regulation of enzyme activity by Covalent modification. [3]

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## **Dental Anatomy Embryology and Oral histology**

[New Scheme w.e.f 2007 admission]

**M.M. : 70**

**Time : 3 Hours**

*Note :* Attempt all questions.

**USE SEPARATE ANSWER SHEET FOR EACH PART.**

### **PART – I**

1. Describe various age changes that take place in dental tissues. [10]
2. **Write differences between:**
  - a. Primary and Permanent teeth. [5]
  - b. Osteoblasts and Osteoclasts. [3]
3. **Write short notes on:**
  - a. Functions of Oral Mucosa. [6]
  - b. Curve of Spee. [5]
  - c. Centric occlusion. [6]

### **PART – II**

4. Describe the structure and functions of Salivary glands. [10]
5. **Write short notes on:**
  - a. Mechanism of tooth movement. [6]
  - b. Theories of Pain transmission in dentin. [6]
6. **Draw diagrams:**
  - a. Oral mucous membrane. [7]
  - b. Posterior view of Mandible. [6]

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