

B.D.S. [1st 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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Time : 3 Hours

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USE SEPARATE ANSWER SHEET FOR EACH PART.

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

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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]
