**B.Sc. [ Medical (Part-II) ]**

### BF/2016/03

# Anatomy

## Time : 3 Hours Max Marks : 100

*Note: Attempt all the questions.*

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

##### PART – I

1. Describe Brachial Plexus. [20]

2. Describe surface anatomy of Left Lung. [10]

3. **Write Short Notes/ Labelled Diagram :** [4x5=20]

 a. Development of Midgut.

 b. Development of Urinary Bladder.

 c. Mesonephric Duct.

 d. Development of Left Atrium.

##### PART –II

1. Mammary Gland. [20]

2. Wrist Joint. [10]

3. **Write Short Notes/Histological labelled diagrams :** [4x5=20]

 a. Branches of Brachial Artery.

 b. Abduction at Shoulder Joint.

 c. Histology of Trachea.

 d. Histology of Kidney.

**------------**

**B.Sc. [ Medical (Part-II) ]**

### BF/2016/03

# Biochemistry

## Time : 3 Hours Max Marks : 100

*Note: Attempt all questions.*

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

##### PART – I

1. Describe the process of Glycogenolysis and Glycogenesis. Also give an account of Glycogen storage diseases.

[20]

2. Describe the Function, Absorption, Sources and Diseases related to Iron.

[10]

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

 a. Gout.

 b. Maple Syrup Urine Disease.

 c. Disorders of Lipoproteins.

d. Lactic Acidosis.

##### PART –II

1. Describe Cholesterol Biosynthesis and Degradation in the body. Also mention its clinical significance. [20]

2. Describe the Biosynthesis and Biochemical Functions of Thyroid Hormones.

[10]

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

 a. Physiologically important compounds formed from Tryptophan.

 b. Biochemical Functions of Iodine.

 c. Fate of Ketone Bodies.

 d. Hormones regulating Water Balance.

**------------**

**B.Sc. [ Medical (Part-II) ]**

### BF/2016/03

# Physiology

## Time : 3 Hours Max Marks : 100

*Note: Attempt all questions.*

 *Draw well Labelled diagram wherever required.*

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

##### PART – I

1. What is Cardiac output and discuss factors regulating it. [20]

2. Discuss Hypoxia and discuss various types of hypoxia. [10]

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

 (a) P – R Interval.

 (b) Length Tension relationship in Skeletal Muscle Fibre.

 (c) Muscle Proteins.

#####  (d) Non Respiratory Functions of Lung.

##### PART –II

1. Define Blood Pressure. Discuss factors regulating Blood Pressure. [20]

2. Volume – Pressure relationship of Left Ventricle during Cardiac Cycle. [10]

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

(a) Balanced Diet.

 (b) Heart Sound.

 (c) Cyanosis.

(d) Compound Action Potential in Nerve Fibre.

--------------------