**QP Code: OTT101**

**B. Sc Operation Theatre Technology 1st Year**

# (BF/2021/09)

#### Anatomy

###### M.M.: 80 Time: 3 Hours

**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.***

**Section-A**

1. **Write about the following**. (All the five questions are compulsory)

 a. Palatine tonsil. [5x5=25]

 b. Enumerate any 05 endocrine glands.

 c. Superficial palmar arch.

 d. Transitional epithelium.

 e. Fallopian tube.

2. **Attempt any one. Both questions carry equal marks.**

a. Describe Bronchopulmonary segments. [15]

**OR**

b. Classify various types of joints with examples. [15]

**Section -B**

3. **Write about the following**. (All the five questions are compulsory)

. a. Enumerate branches of internal iliac artery. [5x5=25]

 b. Skeletal muscle.

 c. Mucous salivary gland.

 d. Oogenesis.

 e. Lacrimal apparatus.

4. **Attempt any one. Both questions carry equal marks.**

a. Describe chambers of heart. Add note on systemic circulation. [15]

**OR**

b. Describe urinary bladder. Add note on its nerve supply. [15]

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

**QP Code: OTT102**

**B. Sc Operation Theatre Technology 1st Year**

# (BF/2021/09)

#### Physiology

###### M.M.: 80 Time: 3 Hours

**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.***

**Section-A**

1. **Write about the following**. (All the five questions are compulsory)

[5x5=25]

a. Structure of a nephron.

 b. Renal clearance.

 c. Respiratory membrane.

 d. Fever.

 e. Structure of skeletal muscle.

2. **Attempt any one. Both questions carry equal marks.**

a. Name anterior pituitary hormones. Write functions of growth hormone. Add a note on Acromegaly. [15]

**OR**

b. Describe with the help of a diagram the pathway for pain sensation. Explain the Referred pain. [15]

**Section -B**

3. **Write about the following**. (All the five questions are compulsory)

 [5x5=25]

a. Blood group systems.

 b. Hypoxia.

 c. Functions of saliva.

 d. Spermatogenesis.

 e. Hyper metropia.

4. **Attempt any one. Both questions carry equal marks.**

a. Define cardiac cycle. Enumerate various events during cardiac cycle with the help of a diagram. [15]

**OR**

b. What is Erythrotpoiesis. Describe the stages and factors influencing it. [15]

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

**QP Code: OTT103**

**B. Sc Operation Theatre Technology 1st Year**

# (BF/2021/09)

#### Biochemistry

###### M.M.: 80 Time: 3 Hours

**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.***

**Section-A**

1. **Write about the following**. (All the five questions are compulsory)

 [5x5=25] a. Endoplasmic reticulum

 b. Glyco proteins.

c. Clinical importance of enzymes.

 d. Disaccharides.

 e. Polyunsaturated fatty acids.

2. **Attempt any one. Both questions carry equal marks.**

a. What is the normal range of fasting blood sugar? Explain the regulation of blood sugar level. [15]

**OR**

b. What is the normal pH of blood? Explain the role of plasma buffers & renal mechanisms in the maintenance of acid-base balance of the body. [15]

**Section -B**

3. **Write about the following**. (All the five questions are compulsory)

 [5x5=25]

 a. Structure & functions of tRNA.

 b. Obesity.

 c. Riboflavin.

 d. Use of radioisotopes in medicine.

 e. Potassium metabolism.

4. **Attempt any one. Both questions carry equal marks.**

a. What is balanced diet? How will you prepare a diet plan for a healthy young adult male athlete? [15]

**OR**

b. Discuss the mechanisms of action of hormones. [15]

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