

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

(LM 2001)

MARCH 2018

Sub. Code: 2001

B.PHARM. DEGREE EXAMINATION
PCI Regulation SEMESTER – I
PAPER I – HUMAN ANATOMY AND PHYSIOLOGY – I

Q.P. Code: 562001

Time: Three hours

Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions. (2 x 10 = 20)

1. Write about the structure and functions of Autonomic Nervous System.
2. a) Explain in detail about WBC.
b) Reticulo-endothelial system.
3. Explain the classification, structure, location and functions of Epithelial tissues.

II. Write notes on: Answer any SEVEN questions. (7 x 5 = 35)

1. Describe the physiology of vision.
2. Formation, circulation and composition of lymph.
3. Describe various types of muscular tissues.
4. Explain the different types of Anaemia.
5. Explain about synovial joints.
6. Structure and function of skin.
7. Write about conduction system of heart.
8. Explain the bones of the Skull.
9. Explain the factors involved in the regulation of blood pressure.

III. Short answers on: Answer ALL questions. (10 x 2 = 20)

1. Function of bones.
2. Hemophilia.
3. Congestive heart failure.
4. Cardiac output.
5. Defects in the ear.
6. Hypertension.
7. Function of Ribosomes.
8. Spinal nerves.
9. Name the facial bones.
10. Fate of RBC.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

(LN 2001)

SEPTEMBER 2018

Sub. Code: 2001

B.PHARM. DEGREE EXAMINATION
PCI Regulation SEMESTER – I
FIRST YEAR
PAPER I – HUMAN ANATOMY AND PHYSIOLOGY – I

Q.P. Code: 562001

Time: Three hours

Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions. (2 x 10 = 20)

1. Draw a neat labelled diagram of Heart. Explain in detail about it.
2. Describe in detail about various pathways of clotting and add a note on functions of blood.
3. a) Composition and function of lymph.
b) Explain about connective tissues.

II. Write notes on: Answer any SEVEN questions. (7 x 5 = 35)

1. Write about Homeostasis.
2. Discuss about cardiac cycle and its sequences.
3. Define Joint? Classify it with examples.
4. Blood grouping and its significance.
5. Regulation of blood pressure.
6. Describe the structure and function of cell.
7. Physiology of muscle contraction.
8. Haemoglobin.
9. Neurotransmitters of ANS.

III. Short answers on: Answer ALL questions. (10 x 2 = 20)

1. What is Electrocardiogram and mention its significance?
2. Mention about Cell junction.
3. Rh Factor.
4. Heart sounds.
5. Bones of Vertebral column.
6. Glaucoma.
7. Layers of skin.
8. List out the basic life processes.
9. Function of platelets.
10. Erythroblastosis Foetalis.

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MARCH 2019

Sub. Code: 2001

B.PHARM. DEGREE EXAMINATION
PCI Regulation SEMESTER – I
PAPER I – HUMAN ANATOMY AND PHYSIOLOGY – I

Q.P. Code: 562001

Time: Three hours

Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions. (2 x 10 = 20)

1. Draw a neat labeled structure of cell and mention its function.
2. Write in details about salient features and functions of bones of axial and appendicular skeletal system.
3. Describe anatomy of heart and write in detail about blood circulation.

II. Write notes on: Answer any SEVEN questions. (7 x 5 = 35)

1. Structure and function of nervous tissue.
2. Function of tissues.
3. Describe the division of skeletal system, functions of skin.
4. Immovable joint.
5. Erythropoiesis.
6. Function of lymphatic system.
7. Function of parasympathetic system.
8. Regulation of Blood pressure.
9. Write anatomy of ear.

III. Short answers on: Answer ALL questions. (10 x 2 = 20)

1. Anaemia.
2. Cardiac cycle.
3. Purpura.
4. Polycythmeia.
5. Gout.
6. Olfaction.
7. Hypoxia.
8. Angina pectoris.
9. Blood group.
10. Myobia.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

(LP 2001)

SEPTEMBER 2019

Sub. Code: 2001

B.PHARM. DEGREE EXAMINATION
PCI Regulation SEMESTER – I
PAPER I – HUMAN ANATOMY AND PHYSIOLOGY – I

Q.P. Code: 562001

Time: Three hours

Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions. (2 x 10 = 20)

1. What are Lymph nodes? Write about the structure and functions of lymph nodes.
2. Explain the structure of eye with a neat labeled diagram. Describe the physiology of vision.
3. Define and classify joints with necessary examples.

II. Write notes on: Answer any SEVEN questions. (7 x 5 = 35)

1. Explain homeostasis.
2. Classify connective tissues with example.
3. Explain the physiology of muscle contraction.
4. Write the composition and functions of blood.
5. Short notes on eye disorders.
6. Cardiac Arrhythmia.
7. Neuromuscular Junction.
8. Types of bones and its salient features.
9. Add notes on blood transfusion.

III. Short answers on: Answer ALL questions. (10 x 2 = 20)

1. Functions of lysosomes.
2. Classification of vertebral bones.
3. Refractory period.
4. Action potential.
5. Ear ossicles.
6. Tastants.
7. Peyer's patches.
8. Mitosis.
9. Pulse.
10. Arteriosclerosis.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[LR 0121]

JANUARY 2021

Sub. Code: 2001

(MARCH 2020 EXAM SESSION)

B. PHARMACY DEGREE EXAMINATION

PCI Regulation SEMESTER – I

PAPER I – HUMAN ANATOMY AND PHYSIOLOGY - I

Q.P. Code: 562001

Time: Three hours

Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions. (2 x 10 = 20)

1. Structure and functions of Skin.
2. Describe the outflow and functions of Autonomic nervous system with special reference to Sympathetic division.
3. Define Blood Pressure. Explain the various methods of measuring Blood Pressure. Write a note on factors affecting Blood Pressure.

II. Write notes on: Answer any SEVEN questions. (7 x 5 = 35)

1. Discuss physiology of Cell membrane.
2. Write notes on the Vertebral bones.
3. Functions of Platelets.
4. Physiology of heart.
5. Hepatic circulation.
6. Mechanism of Skeletal muscle contraction.
7. Sacrum and Coccyx.
8. Cranial nerves and its functions.
9. Explain Auditory and Non-Auditory functions of Ear.

III. Short answers on: Answer ALL questions. (10 x 2 = 20)

1. Ganglia.
2. Synapse.
3. Hypoxia.
4. Functions of Ribosomes.
5. Composition of Lymph.
6. Fate of red blood cells.
7. Retina.
8. Bones of skull.
9. Glaucoma.
10. Thalassaemia.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BPHARM 0921]

**SEPTEMBER 2021
(SEPTEMBER 2020 EXAM SESSION)**

Sub. Code: 2001

**B.PHARM. DEGREE EXAMINATION
PCI Regulation 2017 – SEMESTER I
PAPER I – HUMAN ANATOMY AND PHYSIOLOGY - I
*Q.P. Code: 562001***

Time: Three hours

Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions. (2 x 10 = 20)

1. Define Erythropoiesis. Explain the factors influencing Erythropoiesis.
2. Give an account of anatomy and physiology of the Parasympathetic branch of autonomic nervous system.
3. Write the help of a neat labeled diagram explain bones of Skull.

II. Write notes on: Answer any SEVEN questions. (7 x 5 = 35)

1. Describe various types of Muscular tissue.
2. Write a note on Lymph node.
3. Discuss the mechanism of Clotting.
4. Write a note on Megaloblastic anaemia and Iron deficiency anaemia.
5. Physiology of Audition.
6. Explain role of Baroreceptors and its functions.
7. Write a note on Neuromuscular junction.
8. Explain the Physiology behind Vision formation.
9. Write a note on disorders of White Blood Corpuscle.

III. Short answers on: Answer ALL questions. (10 x 2 = 20)

1. Diseases of Eye
2. Cardiac cycle
3. Composition of blood
4. Pulmonary circulation
5. Hypertension
6. Action potential
7. Types of Joints
8. Functions of Skin
9. Presbyopia
10. Christmas factor.
