

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

[BPHARM 1022]

**OCTOBER 2022
(MARCH 2022 EXAM SESSION)**

Sub. Code: 2001

**B.PHARMACY DEGREE COURSE (SEMESTER EXAMINATIONS)
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. a) Discuss in details about the different types of Connective tissue.
b) Structure and functions of Nervous tissues.
2. Explain about the process of cell division and mutation.
3. Discuss in Details about the Mechanism of Blood Clotting.

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

1. Classify the different types of Bones.
2. Write the composition and functions of blood.
3. Explain about Portal Circulation.
4. Discuss about the Cranial Nerves and its Functions.
5. Explain in details about the formation of Haemoglobin.
6. Write is details with structure about inner Ear.
7. Explain in details about different about Cell Junctions.
8. Explain in details about the Conduction system of Hearts.
9. Explain the Cardiac Cycle.

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

1. Functions of Skin.
2. Name the Muscle Proteins.
3. Rh Factor.
4. What are the various Heart Valves?
5. Endocrine cell signalling.
6. Role of Erythropoietin.
7. What is ECG?
8. Rouleaux formation.
9. Auditory Ossicles.
10. Myocardial infarction.
