

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.

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