

**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.

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