

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

**[PHARMD 1122]**

**NOVEMBER 2022  
(OCTOBER 2022 EXAM SESSION)**

**Sub. Code: 3801**

**PHARM. 'D' DEGREE EXAMINATION  
FIRST YEAR (2009-2010 Regulation)  
PAPER I – HUMAN ANATOMY AND PHYSIOLOGY  
*Q.P. Code : 383801***

**Time : Three hours**

**Answer ALL Questions**

**Maximum : 70 Marks**

**I. Elaborate on:**

**(4 x 10 = 40)**

1. Explain in detail the renal autoregulation of glomerular filtration rate.
2. Describe the anatomy, hormones secreted and the functions of thyroid gland.
3. Enumerate the clotting factors and explain the mechanism of blood clotting.
4. Explain in detail the structure and functions of liver.

**II. Write notes on:**

**(6 x 5 = 30)**

1. Describe the location, structure and functions of trachea.
2. Write a note on the different phases of cardiac cycle.
3. Simple reflex arc.
4. Discuss the effect of exercise on different types of skeletal muscle fibers.
5. Write the composition and functions of lymph.
6. Draw a neat labeled diagram of eye.

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