

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

[PHARMD 0423]

APRIL 2023

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 structure, hormones and functions of pituitary gland.
2. Explain the steps involved in urine formation.
3. Describe the principal events of spermatogenesis.
4. Enumerate the differences between sympathetic and parasympathetic nervous system.

II. Write notes on:

(6 x 5 = 30)

1. Write a note on the digestive functions of the components of pancreatic juice.
2. Write the functions of various types of connective tissues.
3. Draw a neat labeled diagram of skin.
4. Write a note on the valves of the heart.
5. What is a spirometer? What is the difference between lung volume and lung capacity?
6. Classify joints according to their movements.
