

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

[B.PHARM 0323]

**MARCH 2023
(SEPTEMBER 2022 EXAM SESSION)**

Sub. Code: 2014

**B.PHARMACY DEGREE COURSE (SEMESTER EXAMINATIONS)
PCI Regulation 2017 – SEMESTER II
PAPER I – HUMAN ANATOMY AND PHYSIOLOGY II**

Q.P. Code: 562014

Time: Three hours

Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions. (2 x 10 = 20)

1. Draw the neat diagram of kidney and explain the anatomy and physiology of nephron.
2. a) Explain about anatomy of female reproductive system.
b) Give a brief note on menstrual cycle.
3. a) Draw the neat diagram of respiratory system and explain the anatomy and physiology of respiratory organs.
b) Explain the mechanism of respiration.

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

1. Explain the anatomy of digestive system with neat labeled diagram.
2. Brief note on Oogenesis.
3. Describe the endocrine and exocrine pancreas.
4. Short notes on role of RAS in kidney.
5. Draw neat diagram of brain and its function.
6. Enumerate the composition of saliva and its function.
7. Explain the mechanism of acid formation in stomach.
8. Draw the neat diagram of neuron and its parts.
9. Write a note on anatomy and functions thyroid gland.

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

1. Define Tidal volume.
2. Give composition of bile.
3. Short answer on DNA.
4. Spermatogenesis.
5. Give disorders of GIT.
6. Note on action potential.
7. Goiter.
8. Role of parathyroid hormones.
9. Define hormone and its functions.
10. Give a note on BMR.
