

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

[BPHARM 0122]

**JANUARY 2022
(MARCH 2021 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. Discuss the anatomy of Respiratory organs with neat labeled diagram and explain the mechanism of Respiration.
2. Give the physiological functions of Female Sex hormones. Discuss the various stages of Menstrual Cycle.
3. Draw a neat diagram and describe the organs of Digestive system. Explain their role in digestion of food.

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

1. Mention the physiological significance of BMR.
2. Write short notes on Genes.
3. List out the function of Kidney and Urinary tract.
4. Discuss Cranial nerves and its function.
5. Role of Kidneys in acid base balance.
6. Describe ventricles of the Brain.
7. Diagrammatically explain the events involved in an action potential.
8. Draw and describe the structure of Nephron.
9. Write short notes on Male Sex Hormones.

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

1. What is cholecystitis?
2. Function of Uterus.
3. Define Synapse.
4. What is transcription and translation?
5. Define Chromosomes.
6. Define Residual and Tidal volume.
7. What are the functions of Gall bladder?
8. Define Saliva and its functions.
9. Cerebrospinal fluid.
10. Define ingestion and defecation.
