

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

(LN 4253)

AUGUST 2018

Sub Code: 4253

**B.PHARM. DEGREE EXAMINATION
FIRST YEAR
PAPER III – ANATOMY, PHYSIOLOGY AND HEALTH EDUCATION**

Q.P. Code : 564253

Time: Three hours

Maximum: 100 Marks

I. Elaborate on: (2 x 20 = 40)

1. Describe the various stages of development of RBC and explain the factors controlling erythropoiesis.
2. Explain the structure and functions of Heart with a neat labeled diagram.

II. Write notes on: (8 x 5 = 40)

1. Blood grouping and its significance.
2. Explain the lung volumes and lung capacities.
3. Mode of transmission and preventive measures taken in treatment of tuberculosis.
4. Mechanism of urine formation.
5. Temporary and permanent methods of contraception.
6. Write notes on simple epithelial tissues.
7. Draw the structure of a human skin and mention its functions.
8. Composition and functions of gastric juice.

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

1. What is a balanced diet?
2. Types of anaemia.
3. Any two disorders of joints.
4. Emergency treatment of shock.
5. Divisions of ANS.
6. Functions of skeletal system.
7. Growth hormone disorders.
8. Functions of cerebrospinal fluid.
9. Mountain sickness.
10. Structure of neuron.
