

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

[LR 1220]

**DECEMBER 2020**

**Sub. Code: 4253**

**(AUGUST 2020 EXAM SESSION)**

**B. PHARMACY DEGREE EXAMINATION**

**FIRST YEAR – (Regulation from 2009-2010)**

**PAPER III – ANATOMY, PHYSIOLOGY AND HEALTH EDUCATION**

***Q.P. Code: 564253***

**Time: Three hours**

**Answer ALL questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. a) Elaborate the Hematopoiesis and write the composition and functions of Blood.  
b) List of coagulation factors and discuss about the mechanism of Blood coagulation.
2. Draw a neat diagram of Heart. Discuss the conduction system of Heart.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Define tissues and classify the tissues.
2. Types of synovial joint.
3. Composition of Pancreatic juice and its functions.
4. Draw the neat diagram of Kidney and its functions.
5. Give short notes on various methods of Family planning.
6. Briefly write about Blood Pressure and their regulation.
7. Discuss the causative agent, modes of transmission and prevention of AIDS.
8. Write a note on Hormones of Pituitary gland.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Functions of skeleton.
2. How to prevent Malaria?
3. Composition of saliva and its functions.
4. Short answer on balanced diet.
5. Give two names of Male and Female sex hormones.
6. Lung volumes.
7. Micturition.
8. Cerebellum.
9. Diseases associated with respiratory system.
10. Fat soluble Vitamins and its function.

\*\*\*\*\*