

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

[BPHARM 0921]

**SEPTEMBER 2021
(FEBRUARY 2021 EXAM SESSION)**

Sub. Code: 4253

**B. PHARMACY DEGREE EXAMINATION
FIRST YEAR – (NON-SEMESTER)
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. What is Erythropoiesis? With the diagram explain the different stages of Erythropoiesis? Name the factors affecting Erythropoiesis? Add a note on Anemia.
2. a) Draw the cross structure of a human heart. Explain the anatomical features of the same.
b) Explain Cardiac cycle with diagram.

II. Write notes on:

(8 x 5 = 40)

1. Draw a Nerve cell and name its parts.
2. Bones of Upper limb.
3. Explain Knee joint formation.
4. Digestion of carbohydrate.
5. Mechanism of Respiration.
6. Explain the factors affecting Glomerular Filtration Rate.
7. Functions of brain.
8. State the difference between Sympathetic & Parasympathetic system.

III. Short answers on:

(10 x 2 = 20)

1. What is mean by Depolarization?
2. Write the movements of shoulder joint.
3. What is meant by Pacemaker?
4. Write two functions of Insulin.
5. Define Cyanosis & Hypoxia.
6. Name the hormones of Anterior pituitary.
7. Write the functions of FSH.
8. Water soluble Vitamins.
9. Name two contagious diseases?
10. How to prevent Malaria?
