

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

[AHS 0321]

MARCH 2021

Sub. Code: 1121

(AUGUST 2020 EXAM SESSION)

DIPLOMA IN OPERATION THEATRE & ANAESTHESIA TECHNOLOGY

FIRST YEAR (Regulation 2018-2019)

PAPER I – BASIC SCIENCES

(ANATOMY, PHYSIOLOGY, BIOCHEMISTRY & PATHOLOGY)

Q.P. Code : 841121

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Describe the Composition of the Blood and its Functions.
2. Draw a neat diagram of Heart. Add a note on Valves of the Heart.
3. Classification of Vitamins.

II. Write notes on:

(10 x 5 = 50)

1. Cardiac Cycle.
2. Blood Groups.
3. Draw and label a neat diagram of Nephron.
4. Types of Muscle Tissue.
5. Immunity.
6. Factors affecting Enzyme activity.
7. Food digestion in the Mouth.
8. Draw and Label a neat diagram of Kidney.
9. Functions of Pituitary Gland.
10. Spermatogenesis.

III. Short answers on:

(10 x 2 = 20)

1. Alkalosis.
2. Write any two Causes of Cell Injury.
3. Fertilization.
4. False Rib.
5. Phagocytosis.
6. Biceps Brachii.
7. Draw and Label the diagram of Urinary Bladder.
8. Buffers.
9. Name any two Enzymes.
10. Draw and Label the diagram of Humerus.
