

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

[AHS 0424]

APRIL 2024

Sub. Code: 1246

B.Sc. CRITICAL CARE TECHNOLOGY
SECOND YEAR (Regulation 2018-2019 onwards)
PAPER I – ANATOMY + APPLIED ANATOMY & PHYSIOLOGY
Q.P. Code: 801246

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Describe Heart under the following headings: External features, Chambers, Valves and Blood supply. Add a note on Clinical Anatomy.
2. Describe about Structure of Thyroid gland and its functions.
3. Write the classification of Enzymes and Factors affecting enzyme activity.

II. Write notes on:

(8 x 5 = 40)

1. Tracheobronchial tree.
2. Functions of Vitamin D.
3. Diaphragm.
4. Anatomy of spinal cord.
5. Circle of Willis.
6. Mechanics of Respiration.
7. Hematocrit Value.
8. Plasma proteins and their functions.

III. Short answers on:

(10 x 3 = 30)

1. Tonsils.
2. Blood groups.
3. Functions of Bile.
4. Neuromuscular junction.
5. Coverings of Kidney.
6. Deficiency of Thiamine.
7. Blood supply of Long bone.
8. Sternum.
9. Pericardium.
10. Basal Metabolic Rate.
