

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

[AHS 0423]

APRIL 2023

Sub. Code: 1006

**B.Sc. ACCIDENT AND EMERGENCY CARE TECHNOLOGY
FIRST YEAR (Regulations 2010-2011, 2014-2015 & 2018-2019 onwards)**

PAPER I- ANATOMY, PHYSIOLOGY AND BIO-CHEMISTRY

Q.P. Code: 801006

Time: Three Hours

Answer All questions

Maximum: 100 Marks

I. Elaborate on :

(3 X 10 = 30)

1. Describe in detail about the external features, chambers and blood supply of the Heart.
2. Classify Carbohydrates with suitable examples. Write briefly the functions of Carbohydrates.
3. Define Blood Pressure. Explain about the types and regulation of blood pressure. Add a note on Hypertension.

II. Write Notes on :

(8 X 5 = 40)

1. Muscles of lower limb.
2. Cubital fossa.
3. Deltoid.
4. Pernicious anaemia.
5. Functions of thyroid hormones.
6. Degeneration and regeneration of nerve fibers.
7. Basal metabolic rate.
8. Kwashiorkor.

III. Short Answers on :

(10 X 3 = 30)

1. Functions of Platelets.
2. Define Cardiac cycle. Mention the normal values.
3. What is Exocytosis and Endocytosis?
4. What is a Comminuted fracture?
5. Pivot joint.
6. Name the bones of upper limbs.
7. Mention any three functions of magnesium.
8. Beriberi.
9. Define Enzyme and classify it.
10. Henderson – Hasselbalch equation.
