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

[AHS 1123] NOVEMBER 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 BIOCHEMISTRY

Q.P. Code: 801006

Time: Three Hours Answer All questions Maximum: 100 Marks

I. Elaborate on:  $(3 \times 10 = 30)$ 

1. Define Erythropoiesis. Discuss the various stages of Erythropoiesis. Add a note on Anaemia.

- 2. Give an account of Femoral Triangle under the following headings:
  - a) Location

b) Boundaries and Contents

Write in detail about Femoral Artery.

3. Describe in detail about the Fat Soluble Vitamins.

II. Write Notes on:  $(8 \times 5 = 40)$ 

- 1. Spermatogenesis.
- 2. Erythroblastosis Fetalis.
- 3. Structure of Neuron.
- 4. Blood supply of the Heart.
- 5. External features of Lung.
- 6. Muscles of the arm, their Nerve supply and actions.
- 7. Vitamin C its importance and deficiency disease.
- 8. Phospholipids and their significance.

## III. Short Answers on:

 $(10 \times 3 = 30)$ 

- 1. Define Buffer. Give examples.
- 2. Mention any three functions of Calcium.
- 3. Balanced diet.
- 4. pH values.
- 5. Trigone of the Urinary bladder.
- 6. Synovial joint.
- 7. Name the Respiratory organs.
- 8. Forced Vital capacity.
- 9. Parts of Long bone.
- 10. Mention any three functions of Plasma protein.