

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

[AHS 1122]

**NOVEMBER 2022**

**Sub. Code: 1006**

**B.Sc. ACCIDENT AND EMERGENCY CARE TECHNOLOGY  
FIRST YEAR (Regulation 2018-2019)  
PAPER I – ANATOMY, PHYSIOLOGY AND BIOCHEMISTRY  
Q.P NO. 801006**

**Time: Three Hours**

**Answer All questions**

**Maximum: 100 Marks**

**I. Elaborate on :** **(3X10=30)**

1. Describe the external features of Heart with neat labeled diagram.
2. Explain in detail the synthesis, secretion and functions of Thyroid Hormones. Add a note on hypothyroidism.
3. Describe in detail the classification and metabolism of Lipids. Add a note on its functions.

**II. Write Notes on :** **(8X5=40)**

1. Muscles of flexor component of forearm and its nerve supply.
2. Name the principle elements. Write a note on Sodium.
3. Explain the waves in Electrocardiogram.
4. With a neat diagram, explain the structure and functions of Urinary Bladder.
5. Lung volumes and capacities.
6. Vitamin B12.
7. Circle of Willis.
8. Withdrawal reflex.

**III. Short Answers on :** **(10X3=30)**

1. What is Marasmus?
2. Normal constrictions of Ureter.
3. Name the polyunsaturated fatty acids.
4. Movements of hip joint.
5. Lumbar Puncture.
6. What is Acidosis?
7. Draw a neat labeled diagram of structure of Neuron.
8. Name the hormones of Pancreas.
9. Henderson-Hasselbalch Equation.
10. Name the lymphoid organs.

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