

**DIPLOMA IN ACCIDENT AND EMERGENCY CARE TECHNOLOGY**  
(New Syllabus 2015-2016 / 2018-2019)

**FIRST YEAR**

**PAPER I – ANATOMY, PHYSIOLOGY AND BIOCHEMISTRY**

*Q.P. Code: 841051*

**Time : Three Hours**

**Maximum : 100 Marks**

**Answer All questions.**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Write about classification of lipids and functions.
2. Platelets – formation, normal levels and functions.
3. Structure of a cell and functions of various organelles.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Balanced diet.
2. Erythrocyte sedimentation rate (ESR).
3. Trace elements.
4. Glucose metabolism.
5. Functions of Hemoglobin.
6. Types of anemia.
7. Role of sodium in our body.
8. Types of leucocytes and its functions.
9. Classify proteins.
10. Composition of blood.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Name the water soluble vitamins.
2. Structures present in the abdomen.
3. Exocytosis.
4. Normal level of erythrocytes (RBC).
5. Basal metabolic rate.
6. Marasmus.
7. Kwashiorkor.
8. Respiratory quotient.
9. Parts of brain.
10. Caloric value of foods.