

**B.Sc. OPERATION THEATRE AND ANAESTHESIA TECHNOLOGY**  
(New Syllabus 2015-2016)

**FIRST YEAR**

**PAPER I – APPLIED BASIC SCIENCE**

*Q.P. Code: 801116*

**Time : Three Hours**

**Maximum : 100 Marks**

**Answer All Questions.**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Explain Acute and Chronic Inflammation.
2. Give an account on Glycolysis.
3. Define Electrocardiogram and describe in detail the waves of a normal Electrocardiogram.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Vitamin D.
2. Causes of Cell Injury.
3. Cell Structure and Functions of Various Organelles.
4. Fungal Infections.
5. Lung Volumes and Capacities.
6. Coronary arteries.
7. Basal Metabolic Rate.
8. Bronchopulmonary segments.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. Innate Immunity.
2. Define derived lipids with example.
3. Landsteiner's Law.
4. Cartilages forming the Larynx.
5. Molarity and Normality.
6. Anatomical Positions.
7. Typical ribs.
8. Functions of Leucocytes.
9. Features of Benign Tumours.
10. Balanced Diet.

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