

**B.Sc. CARDIO PULMONARY PERFUSION CARE TECHNOLOGY**

**FIRST YEAR**

**Paper II – BIOCHEMISTRY AND PATHOLOGY**

*Q.P Code : 801402*

**Time : Three Hours**

**Maximum : 100 Marks**

**Answer All Questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Write in detail about classification of lipids.
2. Explain chronic and acute inflammation.
3. Explain in detail metabolism of glycogen.

**II. Write Notes on:**

**(8 x 5 = 40)**

1. Kwashiorkor.
2. HMP shunt.
3. Denaturation of proteins.
4. Mechanism of cell injury.
5. Acute inflammation.
6. Cellular adaptation of growth and disorder.
7. Viral infections.
8. Classification of enzymes.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. Hyponatremia.
2. Necrosis.
3. Basal Metabolic rate.
4. Thymus.
5. SCID.
6. Cell mediated immunity.
7. Gluconeogenesis.
8. Lipoproteins.
9. Bacterial infection.
10. (a) Zwitter ion  
(b) Isoelectric pH.

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