

[LP 0819]

AUGUST 2019

Sub. Code: 5017

**B.Sc. MEDICAL LABORATORY TECHNOLOGY**

**SECOND YEAR**

**PAPER II – BIOCHEMISTRY - I**

*Q.P. Code: 725017*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Explain the process of digestion and absorption of lipids.
2. Brief note on the role of biologically important hormones.
3. Discuss about glycogen metabolism.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Calcium homeostasis.
2. Oxygen dissociation curve - Explain.
3. Adrenocorticotrophic hormone stimulation test.
4. Glycogen storage disease.
5. Structure and functions of myoglobin.
6. Hormonal influence on blood glucose level.
7. Salvage pathway for purine synthesis.
8. Beta oxidation of fatty acids.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Active transport.
2. Methaemoglobin.
3. Hereditary porphyria.
4. Absorption of iron.
5. Thalassemia.
6. Prostaglandins.
7. Cerebrospinal fluid.
8. TCA cycle.
9. Flame photometer.
10. Pancreatic lipase.

\*\*\*\*\*