

[LN 1018]

OCTOBER 2018

Sub. Code: 1251

**M.Sc. MEDICAL LABORATORY TECHNOLOGY EMAMS
FIRST YEAR
PAPER I – GENERAL BIOCHEMISTRY, MEDICAL LABORATORY
TECHNOLOGY**

Q.P. Code: 281251

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail about glycogen metabolism and its regulation.
2. Briefly discuss about the oxidative phosphorylation and explain its mechanism.

II. Write notes on:

(10 x 6 = 60)

1. Steps involved in PCR.
2. Quality management in laboratories
3. Principle of spectrophotometry
4. Centrifuge and its types.
5. Laboratory safety measures.
6. Factors affecting enzyme activity.
7. Blood glucose regulation.
8. Diseases caused by the deficiency of different minerals.
9. Okasaki fragments.
10. Polysaccharides.
