

[LL 1017]

OCTOBER 2017

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. Explain about urea cycle and its regulation. Add a note on Hyperammonemias.
2. Define and classify enzymes. Add a note on diagnostic enzymes.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Quality control and quality assurance in analytical phase of laboratory.
2. Rappaport Leuberger cycle.
3. Ketone bodies.
4. Structure and functions of mitochondria.
5. Double helical structure of DNA.
6. Phenylketonuria.
7. Deficiency manifestations of Vitamin A.
8. Functions of calcium.
9. High density lipoproteins –functions and significance.
10. Delta checks and limit checks.

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