

[LJ 1016]

OCTOBER 2016

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. Enumerate and explain the various factors that are involved in influencing the enzyme activity.
2. a) Explain the synthesis and regulation of urea.  
b) How is urea synthesis affected in liver disorder?

**II. Write notes on:**

**(10 x 6 = 60)**

1. Glycoproteins.
2. Brief the inhibitors of respiratory chain.
3. Ketone bodies and their significance.
4. Phenylketonuria.
5. Polymerase chain reaction.
6. Biochemical functions of Thiamine.
7. Describe paper chromatography.
8. Structure of DNA.
9. HDL and its role in prevention of Atherosclerosis.
10. Western blot technique and its clinical applications.

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