

**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

[AHS 0222]

**FEBRUARY 2022  
(OCTOBER 2021 EXAM SESSION)**

**Sub. Code: 1251**

**M.Sc. MEDICAL LABORATORY TECHNOLOGY  
FIRST YEAR**

**(Candidates admitted from 2011-2012 & 2013-2014 onwards - Paper I)**

**(Candidates admitted from 2020-2021 onwards - Paper II)**

**PAPER I & II – GENERAL BIOCHEMISTRY, MEDICAL LABORATORY  
TECHNOLOGY**

***Q.P. Code : 281251***

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Write elaborately on glycolytic pathway and its regulation.
2. Classification of enzymes with examples and also elaborate on enzyme inhibition.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Special products from glycine.
2. Iron metabolism.
3. Preservatives for collection of blood and urine.
4. Flame photometer.
5. Glycogen synthesis and breakdown.
6. Recombinant DNA technology.
7. Functions of Vitamin C.
8. Laboratory investigations in Atherosclerosis.
9. Beta oxidation of fatty acids.
10. Interpretation of Levey Jennings chart.

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