

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

[AHS 0321]

MARCH 2021

Sub. Code: 1251

(OCTOBER 2020 EXAM SESSION)

M.Sc. MEDICAL LABORATORY TECHNOLOGY

FIRST YEAR (2011-2012 Regulation - From 2013-2014 onwards)

PAPER I – 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. Explain the oxidation of fatty acids in detail. Add a note on its regulation.
2. Explain in detail about sources, synthesis, RDA, functions and deficiency manifestations of Vitamin A.

II. Write notes on:

(10 x 6 = 60)

1. Plasma membrane.
2. Isoenzymes.
3. Hazards in the laboratory.
4. Diabetic Ketoacidosis.
5. Electrophoresis.
6. Chemiosmotic theory of ATP synthesis.
7. Deficiency disorders of B-Complex vitamins.
8. Preservation of urine.
9. Pre-Analytical variables.
10. Post translational modifications.
