

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

[AHS 1023]

OCTOBER 2023

Sub. Code: 1261

**M.Sc. MEDICAL LABORATORY TECHNOLOGY
SECOND YEAR (From 2020-2021 onwards)
PAPER I – CLINICAL BIOCHEMISTRY, ENDOCRINOLOGY AND
NUTRITIONAL BIOCHEMISTRY**

Q.P. Code: 281261

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail about various diagnostic enzymes in disease.
2. Explain in detail about the Structure, Dietary Sources, Recommended Dietary Allowances, Functions and Deficiency Manifestations of Vitamin C.

II. Write notes on:

(10 x 6 = 60)

1. Biochemical functions of Calcium.
2. Determination of Sodium and Potassium in blood.
3. Mechanism of action of steroid hormones.
4. Lipoproteins.
5. Gastric Function Tests.
6. Lipid storage diseases.
7. Tumor Markers.
8. Pituitary hormones.
9. Analysis of Amino acids.
10. Glycated haemoglobin.
