

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

[AHS 0523]

MAY 2023

Sub. Code: 1261

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

(Candidates admitted 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. Enumerate the Renal Function Tests. Write about the early markers of Renal Pathology.
2. Explain in detail about the Structure, Dietary Sources, Recommended Dietary Allowances, Functions and Deficiency Manifestations of Vitamin D.

II. Write notes on:

(10 x 6 = 60)

1. Biochemical analysis of Cerebrospinal Fluid.
2. Thyroid profile.
3. Cardiac enzymes.
4. Define Basal Metabolic Rate and Factors affecting BMR.
5. Second messengers.
6. Blood gas analysis.
7. Glycogen storage diseases.
8. Aminoaciduria.
9. Oncogenes.
10. Malabsorption syndrome.
