

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

[AHS 0122]

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

Sub. Code: 1261

**M.Sc. MEDICAL LABORATORY TECHNOLOGY
SECOND YEAR (Regulation 2011-2012 & from 2013-2014 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 the Secretion, function and regulation of synthesis of Thyroid hormones.
2. Elaborate about dietary sources, functions, RDA and deficiency manifestations of Vitamin D.

II. Write notes on:

(10 x 6 = 60)

1. Cardiac enzyme markers.
2. Glycated Hemoglobin.
3. Gut Hormones.
4. Electrophoresis technique.
5. Tumour markers.
6. Glomerular filtration rate.
7. Blood buffers.
8. Phenylketonuria.
9. Marasmus.
10. Physiological Jaundice.
