

[LN 1018]

OCTOBER 2018

Sub. Code: 1261

**M.Sc. MEDICAL LABORATORY TECHNOLOGY EXAMS
SECOND YEAR
PAPER I – CLINICAL BIOCHEMISTRY, ENDOCRINOLOGY AND
NUTRITIONAL BIOCHEMISTRY**

Q.P. Code: 281261

Time: Three hours

Maximum: 100 Marks

I. Elaborate on: (2 x 20 = 40)

1. Discuss in detail the dietary sources, RDA, biochemical functions and deficiency manifestations of Vitamin B12.
2. Describe in detail the various renal function tests.

II. Write notes on: (10 x 6 = 60)

1. Glycated hemoglobin.
2. Tests to estimate the increased risk of cardiovascular disease.
3. Cerebrospinal fluid analysis.
4. Define Basal Metabolic Rate (BMR) and factors affecting BMR. .
5. Mention four tumour markers with their significance.
6. Electrophoresis of plasma proteins.
7. Tests to assess adrenal function.
8. Determination of Sodium & Potassium in blood.
9. Differentiate various types of jaundice using biochemical tests.
10. Mechanism of action of steroid hormones.
