

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

[AHS 0222]

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

Sub. Code: 1302

**M.Sc. CLINICAL NUTRITION
FIRST YEAR**

(Candidates admitted from 2012-2014 onwards - Paper II)

(Candidates admitted from 2020-2021 onwards - Paper III)

PAPER II & III – NUTRITIONAL BIOCHEMISTRY

Q.P. Code : 281302

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe how glucose is metabolized to pyruvate in the body.
2. Write the mechanism of action of hormones.

II. Write notes on:

(10 x 6 = 60)

1. Biological role of eicosanoids.
2. Explain the diversity of protein structure.
3. Explain nucleotide and its components.
4. Characteristics of an active site.
5. Detoxification of ammonia.
6. Absorption and transport of carbohydrates.
7. Purine salvage pathway.
8. Disorders of carbohydrate metabolism.
9. Disease caused by free radicals.
10. Diagnostic importance of transaminases.
