

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

[PHARMD 0423]

APRIL 2023

Sub. Code: 3803

**PHARM. 'D' DEGREE EXAMINATION
FIRST YEAR (2009-2010 Regulation)
PAPER III – MEDICINAL BIO-CHEMISTRY**

Q.P. Code: 383803

Time : Three hours

Answer ALL Questions

Maximum : 70 Marks

I. Elaborate on:

(4 x 10 = 40)

1. Describe the therapeutic and diagnostic applications of Isoenzymes.
2. Extend the biosynthesis of fatty acids and metabolism of cholesterol.
3. Explain in detail about the catabolism of Amino acids.
4. Enzyme linked immuno sorbent Assay.

II. Write notes on:

(6 x 5 = 30)

1. Energy rich compounds.
2. Glycogen Storage diseases.
3. Uncouplers.
4. Urine Concentration test.
5. Lipoproteins – Types and functions.
6. TCA Cycle.
