

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

[LN 803]

OCTOBER 2018

Sub. Code: 3803

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

*Q.P. Code : 383803*

**Time : Three hours**

**Maximum : 70 Marks**

**I. Elaborate on:**

**(4 x 10 = 40)**

1. Give the energetic of oxidation of Palmitic acid.
2. Biosynthesis of fatty acids.
3. Write a note on Coenzymes, their biochemical role and deficiency diseases.
4. Explain about protein synthesis inhibitors.

**II. Write notes on:**

**(6 x 5 = 30)**

1. Explain the structure of a Cell with a neat diagram and its biochemical organization.
2. Define Enzymes. Write a note on Nomenclature of Enzymes and Enzyme Code.
3. Outline the synthesis and breakdown of Cholesterol.
4. Write a note on the major functions of the Liver and the Kidney.
5. Write a note on Glucose Tolerance Test.
6. Role of Clinical Chemistry laboratories and Biochemistry of Blood and Urine.

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