

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

**[PHARM D 1122]**

**NOVEMBER 2022  
(OCTOBER 2022 EXAM SESSION)**

**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. Explain in detail about Cyclic AMP and their Biological significance.
2. Describe about the biochemical role of coenzyme and deficiency diseases.
3. Discuss in detail about NPN constituents and Urinary tract calculi.
4. Express in detail about hormonal regulation in carbohydrate metabolism.

**II. Write notes on:**

**(6 x 5 = 30)**

1. Hypercholesterolemia.
2. Glycolysis.
3. Protein synthesis.
4. DNA repair mechanism.
5. Dye tests of excretory function.
6. Electrolyte distribution.

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