

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

[PHARMD 0122]

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

Sub. Code: 3810

**PHARM. 'D' DEGREE EXAMINATION
SECOND YEAR (2009-2010 Regulation)
PAPER IV – PHARMACOLOGY - I
*Q.P. Code : 383810***

Time : Three hours

Answer ALL Questions

Maximum : 70 Marks

I. Elaborate on:

(4 x 10 = 40)

1. Discuss in detail about Neurohumoral transmission. Add a note on Sympatholytics.
2. Write the mechanism of action of digitalis and its pharmacological actions on cardiovascular system.
3. Classify drugs in Parkinson's disease. Write the pharmacological actions of L-dopa on Central Nervous System.
4. Write the Biosynthesis, actions and Pathophysiological roles of Prostaglandins, Thromboxanes and Prostacyclin.

II. Write notes on:

(6 x 5 = 30)

1. Write a note on Bronchodilators.
2. Classify β -adrenergic blocking agents and pharmacological action of Propranolol.
3. What is angina pectoris and discuss briefly its type.
4. Write the mechanism of action and uses of Disulfiram.
5. Write the synthesis, storage and metabolism of 5-Hydroxytryptamine.
6. Write the pharmacological actions of COX-2 inhibitors.
