

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

**[BPHARM 0522]**

**MAY 2022**

**Sub. Code: 2044**

**(SEPTEMBER 2021 EXAM SESSION)**

**B. PHARMACY DEGREE EXAMINATION**

**PCI Regulation SEMESTER - IV**

**PAPER IV – PHARMACOLOGY I**

***Q.P. Code : 562044***

**Time: Three hours**

**Maximum: 75 Marks**

**I. Elaborate on: Answer any TWO questions.**

**(2 x 10 = 20)**

1. Explain different routes of Drug Administration.
2. Classify Sympathomimetics and Sympatholytics.
3. Classify Sedatives and Hypnotics. Write the Pharmacological action of any one Sedative & Hypnotic.

**II. Write notes on: Answer any SEVEN questions.**

**(7 x 5 = 35)**

1. Classify Receptors.
2. Write about the JAK-STAT binding receptors.
3. Write about the G-Protein Coupled Receptors.
4. Write the Combined effects of drugs with examples.
5. Write the Pharmacodynamic Drug interactions.
6. Write the different phases of Clinical Trials.
7. Write the Neurohumoral Transmission and Neurotransmitters in the ANS.
8. What is Glaucoma? Write the Drugs used in Glaucoma.
9. Write about the Antidepressants.

**III. Short answers on: Answer ALL questions.**

**(10 x 2 = 20)**

1. Antagonists.
2. Dependence.
3. Absorption.
4. Excretion.
5. Enzyme induction.
6. Glutamate.
7. Dopamine.
8. Hallucinogens.
9. Drug addiction.
10. Tolerance.

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