

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

(LP 4264)

AUGUST 2019

Sub. Code: 4264

**B.PHARM. DEGREE EXAMINATION
THIRD YEAR
PAPER IV – PHARMACOLOGY – I**

Q.P. Code: 564264

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define and classify Sedative and Hypnotics. Explain in detail the mechanism of action, pharmacological action, side effects and uses of Barbiturates.
2. a) What are neuromuscular blockers? Classify them with suitable examples, compare and contrast between depolarizing and non-depolarizing blocking drugs.
b) Explain the signal transduction mechanism by G-protein coupled receptors.

II. Write notes on:

(8 x 5 = 40)

1. Antianxiety drugs.
2. Write a note on Pharmacogenetics.
3. Write the mechanism of action of Lignocaine.
4. Write a note on Anti-diuretic drugs.
5. Principles of treatment of Barbiturate poisoning.
6. Write about Bronchodilators in detail.
7. Classify anti-anginal drugs. Add a note about their MOA of nitrates.
8. Write a note on MAO Inhibitors.

III. Short answers on :

(10 x 2 = 20)

1. Write the use and mechanism of Lithium.
2. Give two therapeutic uses of adrenaline.
3. Name the antidotes for methanol poisoning.
4. What is partial agonist? Give example.
5. Name two inhalational general anaesthetics.
6. What are SSRIS give example and their uses?
7. Give two examples for class I-B anti-arrhythmic drugs.
8. What are respiratory stimulants? Give two examples.
9. Define hypovolemic shock.
10. Name two Carbonic anhydrase inhibitor.
