

M.D. DEGREE EXAMINATION
BRANCH VI – PHARMACOLOGY
PAPER II – SYSTEMIC PHARMACOLOGY
INCLUDING RECENT ADVANCES

Q.P. Code : 202023

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Essay:

(2 x 10 = 20)

1. Discuss the basic pharmacology of alpha receptor blockers and their therapeutic uses.
2. Describe the pathophysiology and pharmacology of drugs used in major depressive disorders.

II. Short Questions:

(8 x 5 = 40)

1. NANC transmission.
2. Endothelin antagonists.
3. Hypertensive emergencies.
4. Non benzodiazepine anxiolytics.
5. Spasmolytic drugs.
6. Therapy of NSAID induced ulcers.
7. Ramelteon.
8. Conscious sedation.

III. Reasoning Out:

(4 x 5 = 20)

1. Monday disease.
2. Ion channels as novel analgesic targets.
3. Ciclesonide in bronchial asthma.
4. Rationale for using TNF alpha blockers in rheumatoid arthritis.

IV. Very Short Answers:

(10 x 2 = 20)

1. Autoreceptors.
2. Histamine receptors and their agonists.
3. Date rape drugs.
4. Therapeutic uses of botulinum toxin.
5. Alvimopan.
6. Acute nicotine toxicity.
7. Omega 3 fatty acids.
8. CGRP.
9. Vernakalant.
10. Renin inhibitors.