

M.D. DEGREE EXAMINATION
BRANCH VI – PHARMACOLOGY

PAPER III – CLINICAL PHARMACOLOGY & PHARMACOTHERAPEUTICS
INCLUDING RECENT ADVANCES

Q.P. Code : 202024

Time: Three Hours

Maximum: 100 Marks

I. Essay: **(2 x 15 = 30)**

1. a) Enumerate the drugs used for Insomnia.
b) Mention the pharmacological rationale of each group of drugs.
2. Discuss the variations in clinical pharmacokinetic parameters as seen in pediatric and geriatric age groups.

II. Short notes: **(10 x 5 = 50)**

1. Hormonal agents in cancer.
2. Interferons.
3. Nonsurgical prophylaxis.
4. Amiodarone.
5. Phosphodiesterase inhibitors.
6. Diuretic resistance.
7. NMDA receptor antagonists.
8. Toxicological studies.
9. Post exposure prophylaxis of HIV.
10. Thyroid storm.

III. Reasoning Out: **(4 x 5 = 20)**

1. Hepatic disease and biotransformation of drugs.
2. Nitrofurantoin as urinary antiseptic.
3. Placebo in clinical trials.
4. Rationale use of vasodilators.
