

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

*Q.P.Code: 202023*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Essay:**

**(2 x 10 = 20)**

1. Discuss the newer trends in management of cardiac arrhythmias.
2. Discuss the pharmacotherapy of peptic ulcer including the recent advances.

**II. Short Questions:**

**(8 x 5 = 40)**

1. Resistant hypertension.
2. Z drugs.
3. Treatment of alcoholism.
4. Dopamine receptor agonists in parkinsonism.
5. Tetracyclic antidepressants.
6. ADH receptor antagonists.
7. Uses of sympathomimetics.
8. Short acting neuromuscular blockers.

**III. Reasoning Out:**

**(4 x 5 = 20)**

1. Nitric oxide donors as smooth muscle relaxants.
2. Lithium as a mood stabilizer.
3. Ion channels as novel analgesic targets.
4. Diuretics and nephrolithiasis.

**IV. Very Short Answers:**

**(10 x 2 = 20)**

1. Natriuretic peptides.
2. Autoreceptors.
3. Rasburicase.
4. Ramelteon.
5. Endogenous cannabinoids.
6. EMLA.
7. Bupropion.
8. Inodilators.
9. Adverse effects of ACE Inhibitors.
10. Mechanism of action of levetiracetam.

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