

**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 15 = 30)**

1. a) What are the drugs known to inhibit eicosanoid biosynthesis?  
b) Write briefly the clinical roles of eicosanoid in reproduction.
2. Discuss in detail the role of Organic Nitrates in the treatment of Angina. Enumerate the newer antianginal drugs. What are the drugs used in treatment of Peripheral Artery Disease?

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

1. Sodium channel blockers.
2. Non cardiac effects of sympathomimetics.
3. Serotonin Norepinephrine reuptake inhibitors.
4. Ramipril.
5. Emergency contraception.
6. DMARDs.
7. Current status of Metformin.
8. Drug induced Parkinsonism.
9. Parenteral vasodilators.
10. Mycetism.

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

1. Thiazides as antihypertensives.
2. Morphine in acute left ventricular failure.
3. Use and misuse of purgatives.
4. Role of  $\alpha_2$  agonists as a muscle relaxant.

\*\*\*\*\*