

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. Classify drugs used in the treatment of bronchial asthma.
What is the mechanism of action of corticosteroids in bronchial asthma?
What are the drugs that are delivered by inhalational routes?
What are the devices used for delivering inhalational drugs?
Recent advances in the treatment of bronchial asthma.
2. Classify oral anti diabetic drugs.
Discuss the mechanism of action, adverse effects and uses of Metformin.
Recent advances in the treatment of diabetes mellitus.

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

1. Student t test.
2. Exogenous antioxidants.
3. Pharmacokinetic considerations in patients with renal failure.
4. DOTS regimen.
5. Principles of chronobiology in drug therapy.
6. Antibiotic prophylaxis in surgery.
7. Drugs for hepatitis B virus infections.
8. Topical antifungal agents.
9. Recent anti emetic drugs.
10. Effects of muscarinic receptor agonists and antagonists on EYE.

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

1. Lactulose in hepatic encephalopathy.
2. Ritodrine in premature labour.
3. Enfuvirtide in Anti HIV treatment.
4. Rivaroxaban in the prophylaxis of deep vein thrombosis.