

(LF 128)

OCTOBER 2014

Sub. Code:2025

**M.D. DEGREE EXAMINATION
BRANCH VI - PHARMACOLOGY**

**PAPER IV - APPLIED PHARMACOLOGY AND LAWS GOVERNING
DRUG REGULATIONS**

Q.P.Code: 202025

Time: Three Hours

Maximum: 100 marks

I. Essay: (2 x 10 = 20)

1. Discuss the drugs affecting potassium channels and their clinical importance.
2. Discuss in detail the mechanisms of action and adverse effects of antidepressants.

II. Short Questions: (8 x 5 = 40)

1. Pre-screening toxicity tests.
2. National Pharmacovigilance program of India
3. Drug Nomenclature.
4. Oxidative stress.
5. Endothelium derived factors.
6. Nanotechnology.
7. Liposome based delivery systems.
8. Treatment of panic disorder.

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

1. Pre-dose sampling for Therapeutic drugs monitoring.
2. Withdrawal of Rofecoxib.
3. New Amphotericin B formulations.
4. Metformin in polycystic ovary disease.

IV. Very Short Answers: (10 x 2 = 20)

1. Adverse effects of Sirolimus.
2. Good clinical practice.
3. List two medicinal plants as sources of antioxidants.
4. Patient compliance.
5. Adverse drug events.
6. Drug Advisory Committee.
7. Ocular drug delivery.
8. Treatment of Panic attacks.
9. Twilight sleep.
10. List four drugs used in treating acne.
