

(LJ 128)

OCTOBER 2016

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 physiology of gastric acid secretion and how drugs influence it.
2. Discuss the principles of Geriatric Clinical Pharmacology and therapeutics.

**II. Short Questions:**

**(8 x 5 = 40)**

1. Physiopharmacology of neurotransmitter.
2. Newer mixed agonist-antagonists of Opioid receptors.
3. Platinum compound in therapy.
4. Environmental Pharmacology.
5. Nutraceuticals.
6. Carbon monoxide.
7. Pharmacoepidemiology.
8. Global Pharmacovigilance.

**III. Reasoning Out:**

**(4 x 5 = 20)**

1. State of ionization of a drug.
2. Therapeutic drug monitoring of anticonvulsants.
3. Phase IV clinical trials.
4. Implication of pharmacogenomics in oncology.

**IV. Very Short Answers:**

**(10 x 2 = 20)**

1. Expiry date.
2. Plumbism.
3. Haemodialysis.
4. Aging of enzyme.
5. Toxic epidermal necrolysis.
6. G6PD Deficiency.
7. Merits and demerits of Desflurane.
8. P-drugs.
9. Institutional Ethics Committee.
10. Drugs and cosmetics act.

\*\*\*\*\*