

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 15 = 30)

1. a) Enumerate dopamine receptors, subtypes and their distribution.
b) Discuss the pharmacotherapy of dopamine agonists.
2. a) Write in detail about the general principles of drug therapy in pregnant women.
b) Mention the risk category of drugs during pregnancy as per US-FDA.

II. Short notes:

(10 x 5 = 50)

1. Carcinogenesis and chemoprevention.
2. Prescribing in renal disease.
3. St. John's Wort.
4. Drugs and cosmetics act.
5. Autonomic drugs for ophthalmic use.
6. Methods for improving patient compliance.
7. Glucosamine.
8. SGLT 2 inhibitors.
9. Biological medicinal products.
10. Methods of eliminating a poison.

III. Reasoning Out:

(4 x 5 = 20)

1. Imiquimod as immunomodulator.
2. Role of neuraminidase inhibitor in H1N1.
3. Applied aspects of Vitamin – D.
4. Role of triptans in migraine.
