

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) Outline briefly blood coagulation cascade.
b) Discuss the basic pharmacology of indirect thrombin inhibitors.
2. a) Mention the subtypes, location, function subserved by the muscarinic receptors.
b) Discuss the management of Anti-cholinesterase poisoning.

II. Short notes:

(10 x 5 = 50)

1. Off-labelled uses of drugs.
2. Rational prescribing.
3. False neurotransmitters.
4. Co-Q 10.
5. Betablocker overdose.
6. Drug information center.
7. Hypertensive crisis.
8. NDPS act and Rules.
9. Helsinki's declaration and Nuremberg's code.
10. Vasopressin receptor antagonists.

III. Reasoning Out:

(4 x 5 = 20)

1. Pediatric dosage forms and compliance.
2. Therapeutic significance of trace elements.
3. Glucocorticoids in non adrenal disorders.
4. Alkaloids in therapeutics.
