

[LQ 128]

AUGUST 2020
(MAY 2020 SESSION)

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 15 = 30)

1. Describe in detail the pathophysiology and pharmacotherapy of inflammatory bowel disease
2. a. Outline the physiology of bone mineral homeostasis
b. Describe the current perspectives in the management of osteoporosis

II. Short notes:

(10 x 5 = 50)

1. Principles of combination chemotherapy
2. Systemic retinoids
3. Indian Pharmacopoeia commission
4. Lead optimization
5. Institutional animal ethics committee
6. Carbon monoxide poisoning
7. Protein therapeutics
8. The drugs and magic remedies act
9. Schedule of controlled drugs
10. Rapamycin

III. Reasoning Out:

(4 x 5 = 20)

1. Monoclonal antibodies as immunomodulators
2. Principles of Belmont report
3. Significance of publication ethics
4. Tolerance and dependence in substance use disorder
