

M.D. DEGREE EXAMINATION

BRANCH VI – PHARMACOLOGY

**PAPER I – GENERAL PHARMACOLOGY, EXPERIMENTAL
PHARMACOLOGY AND BIOASSAY**

Q.P. Code: 202022

Time: Three Hours

Maximum: 100 Marks

I. Essay:

(2 x 15 = 30)

1. a) Write in detail the various animal models for screening hypolipidemic drugs.
b) Mention the different types of levers and their uses.
2. a) Discuss how various genetic factors can influence drug action?
b) Write briefly about Gene therapy.

II. Short notes:

(10 x 5 = 50)

1. Sources of drug information.
2. Evaluation of drug safety.
3. SAR in drug design.
4. RadioImmunoAssay.
5. Cytochrome P450 super family.
6. Assay of catecholamines.
7. Sanctuary compartments.
8. BA/BQ studies.
9. Drug dependence.
10. ANOVA.

III. Reasoning Out:

(4 x 5 = 20)

1. Presynaptic receptors and therapeutic significance.
2. Role of Institutional Ethics Committee in research.
3. Mouse as an experimental animal.
4. Role of ADR monitoring in pharmacotherapy.
