

(LD 125)

OCTOBER 2013

Sub. Code: 2022

**M.D. DEGREE EXAMINATION
BRANCH VI-PHARMACOLOGY
GENERAL PHARMACOLOGY, EXPERIMENTAL PHARMACOLOGY
AND BIOASSAY**

Q.P. Code : 202022

Time: Three Hours

Maximum: 100 marks

I. Essay:

(2X10=20)

1. Discuss briefly the biotransformation of drugs.
2. Describe in detail transmembrane signaling mechanism .

II. Short Questions:

(8X5=40)

1. Drug synergism.
2. Randomization.
3. Drug Tolerance.
4. Drug Accumulation.
5. Techniques used in gene therapy.
6. Idiosyncratic reactions.
7. Radio-Immuno Assay.
8. Volume of Distribution.

III. Reasoning Out:

(4X5=20)

1. Spare receptors.
2. Drugs used in Pregnancy Hypertension.
3. Pharmacogenomics.
4. Structure activity relationship.

IV. Very Short Answers:

(10X2=20)

1. Define Tachyphylaxis with suitable examples.
2. Advantages of log dose response curves.
3. Describe competitive antagonism.
4. Describe G protein coupled receptors.
5. Discuss Therapeutic drug monitoring.
6. Tyrosine kinase blockers as drugs.
7. Discuss Glucuronide conjugation reactions.
8. Preclinical toxicity screening.
9. Drug enantiomer.
10. Bio equivalence.
