

(LG 125)

APRIL 2015

Sub. Code:2022

**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 10 = 20)

1. Discuss the methods used to screen a potential antipsychotic drug.
2. Give a detailed account of Pharmacogenetics.

II. Short Questions: (8 x 5 = 40)

1. Bioavailability and Bioequivalence.
2. Spurious drugs.
3. Post marketing surveillance.
4. Tyrosine phosphatases as targets.
5. Gene knock out mice.
6. Immunoassay.
7. Modified declaration of Helsinki.
8. Therapeutic implications of Apoptosis.

III. Reasoning Out: (4 x 5 = 20)

1. Therapeutic drug monitoring for Immunosuppressants.
2. Restriction of drug use in pregnancy.
3. Use of placebo in clinical trials.
4. Novel drug delivery system.

IV. Very Short Answers: (10 x 2 = 20)

1. Steroid Receptors.
2. Orphan drugs.
3. Allosteric receptors.
4. Informed consent.
5. Inbred animal strains.
6. Microdose.
7. Steady state.
8. Implants.
9. Redistribution.
10. Loading dose.
