

(LK 125)

MAY 2017

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. Describe the screening methods for drugs used as antifertility agents.
2. Explain principles of drug absorption and distribution.

II. Short Questions:

(8 x 5 = 40)

1. Cumulative dose response curve.
2. P⁵⁰ drug concept.
3. Pharmacoepidemiology.
4. Protein based therapies.
5. Acute toxicity test.
6. Principles of bioassay.
7. Screening methods for antihypertensive agents.
8. Methods of blood collection from experimental animals.

III. Reasoning Out:

(4 x 5 = 20)

1. Enteric coating in solid dosage forms.
2. Importance of physiological salt solutions in bioassay.
3. Role of pharmacoeconomic concepts.
4. Urinary pH and drug poisoning.

IV. Very Short Answers:

(10 x 2 = 20)

1. Chromatography.
2. Meta analysis.
3. Toll like receptors.
4. Lead compound.
5. JAK – STAT receptors.
6. Inverse tolerance.
7. Biophase.
8. Advantages of isolated tissues over experimental animals.
9. Student organ bath.
10. Clinical implications of pharmacogenomics.
