

(LJ 125)

OCTOBER 2016

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. Write in detail about second messengers.
2. Principles of the treatment of Poisoning.

II. Short Questions:

(8 x 5 = 40)

1. Chromatographic techniques.
2. Paired 't' test.
3. Compartment models.
4. Double blind clinical trials.
5. Transgenic animals.
6. Ion channels.
7. Xenobiotic metabolizing enzymes.
8. Rational use of antibiotics.

III. Reasoning Out:

(4 x 5 = 20)

1. Loading dose and maintenance dose.
2. Fixed dose combinations with examples.
3. N- acetyl cysteine in paracetamol poisoning.
4. Lipid solubility and drug action.

IV. Very Short Answers:

(10 x 2 = 20)

1. Microsomal enzyme induction.
2. Drug efficacy and potency.
3. Cohort study.
4. Iatrogenic diseases.
5. Street drugs.
6. Orexin receptors.
7. Clearance.
8. Receptor malfunction and diseases.
9. Toxicokinetics.
10. Mention drugs used to anaesthetize lab animals.
