

(LQ 2044)

MARCH 2020

Sub. Code: 2044

B.PHARM. DEGREE EXAMINATION
PCI Regulation – SEMESTER IV
PAPER IV – PHARMACOLOGY – I

Q.P. Code: 562044

Time: Three hours

Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions.

(2 x 10 = 20)

1. Explain the fluid mosaic model of cell membrane. Write the mechanism of drug transportation via cell membrane.
2. Narrate the pharmacological action of sympatholytics.
3. Define and classify antidepressants. Explain the pharmacological action of Tricyclic antidepressant and SSRIs.

II. Write notes on: Answer any SEVEN questions.

(7 x 5 = 35)

1. Pharmacology of anticholinesterases.
2. Steroid receptors.
3. Write the mechanism of action and therapeutic application of adrenergic drugs.
4. Pharmacovigilance.
5. Teratogenicity.
6. Volume of distribution.
7. Enzyme induction and inhibition.
8. Adverse drug reactions.
9. Glaucoma.

III. Short answers on: Answer ALL questions.

(10 x 2 = 20)

1. Drug allergy.
2. Cholinergic receptor.
3. Therapeutic index.
4. Define lead optimization.
5. Succinylcholine.
6. MAOIs.
7. GABA receptor.
8. First pass metabolism.
9. Post marketing surveillance.
10. Disulfiram.
