

AV – 2337

Fourth Semester B. Pharm. Examination

PHARMACOLOGY – I

Paper – T 4.5

(USC – 35159)

P. Pages : 2

Time : Three Hours]

[Max. Marks : 60

- Note :** (1) All question carry equal marks.
(2) Answer any **Five** questions.
(3) Illustrate your answer wherever necessary, with the help of neat sketches.

1. (a) Discuss the types, principles and applications of bioassays. 6
(b) Write in detail the mechanism and types of adverse drug reactions. 6
2. Define and classify Receptors. Discuss in detail theories of Receptors. Add a short note on drug excretion. 12
3. Explain in detail cholinergic and adrenergic transmission. 12
4. Describe in detail classification and pharmacology of Adrenergic drugs. 12
5. Describe types and process of biotransformation of drug. Discuss factors affecting biotransformation of drugs. 12
6. Explain in detail nature and sources of drugs. Add a note on various branches of pharmacology. 12

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P.T.O.

7. Write a short note on (Any **Two**)

(a) Routes of drug administration.

(b) Drug Antagonism.

(c) Mechanism of drug Action.

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