

Second Year Pharm. D : SUMMER - 2019
SUBJECT : PHARMACOLOGY – I

Day Monday
Date 15/04/2019

Time : 02.00 P.M. TO 05.00 PM
Max. Marks : 70

S-2019-4508

N.B.:

- 1) **Q.No.1 and Q.No.5 are COMPULSORY.** Out of the remaining questions attempt **ANY TWO** questions from each section.
- 2) Answers to both the sections should be written in **SEPARATE** answer books.
- 3) Figures to the right indicate **FULL** marks.

SECTION – I

- Q.1** A) Attempt **ANY FOUR** of the following: [08]
a) Give importance of drug clearance.
b) Define synergism. Give examples.
c) Explain in short different phases of clinical trials.
d) Give classification of anti-hypertensive drugs with examples.
e) Give classification of Neuromuscular blockers with examples.
- B) Explain drug-drug interaction. [03]
- Q.2** Classify antiarrhythmic drugs. Discuss mechanism of action, side effects and therapeutic uses of any one class. [12]
- Q.3** a) Write synthesis, storage, release and termination of adrenergic neurotransmitter. [07]
b) Explain drugs used in hyperlipidaemia. [05]
- Q.4** Write short notes on **ANY THREE** of the following: [12]
a) Routes of drug administration
b) Myasthenia gravis
c) Drug toxicity
d) Organophosphate poisoning

SECTION – II

- Q.5** A) Attempt **ANY FOUR** of the following: [08]
a) Define Antipsychotics with examples.
b) Classify the drugs used for management of diabetes mellitus.
c) Classify drugs used in parkinsonism with examples.
d) Give an account of oral contraceptives.
e) Enlist the uses of antithyroid drugs.
- B) Give the treatment of status epilepticus. [03]
- Q.6** Give classification of analgesics and anti-inflammatory agents. Explain in detail mechanism of action, pharmacology, adverse effects and therapeutic uses of non selective COX-inhibitors. [12]
- Q.7** a) Classify anti-asthmatic drugs. Explain the pharmacology of mast cell stabilizers. [07]
b) Explain in detail about cognition enhancers. [05]
- Q.8** Write short notes on **ANY THREE** of the following: [12]
a) Insulin
b) Antihistamines
c) Platelet activating factor
d) Sedatives