

DOCTOR OF PHARMACY
Second Year Pharm. D. : SUMMER : 2022
SUBJECT : PHARMACOLOGY-I

Day : Tuesday
Date : 17-05-2022

S-18060-2022

Time : 02:00 PM-05:00 PM
Max. Marks : 70

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.
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SECTION – I

- Q.1** A) Attempt **ANY FOUR** of the following: [08]
a) Define Bioavailability and Bioequivalence.
b) Define Therapeutic Index.
c) Explain the scope of Pharmacology.
d) Define angina. Give classification of antianginal drugs.
e) Give two examples of calcium channel blockers.
- B) Explain Dale's vasomotor reversal. [03]
- Q.2** Write classification, pharmacological effects and therapeutic uses of anti-cholinergic drugs. [12]
- Q.3** a) Explain mechanism and factors affecting absorption of drug. [07]
b) Give classification of β -blockers and write the mechanism of action of propranolol. [05]
- Q.4** Write short notes on **ANY THREE** of the following: [12]
a) Routes of drug administration
b) Hyperlipidaemia
c) Mechanism of Parkinsonism disorder
d) Blood –Brain Barrier

SECTION – II

- Q.5** A) Attempt **ANY FOUR** of the following: [08]
a) Classify Bronchodilators.
b) Give two examples of psychotropic drugs.
c) Explain drugs used in local anesthesia.
d) Enlist the uses of H-1 antihistamine drugs.
e) Classification of Antithyroid drugs with examples.
- B) Explain cognition enhancers. [03]
- Q.6** Classify anti-convulsants. Explain in detail pharmacological action of hydantoin. Add a note on therapy of status epilepticus. [12]
- Q.7** a) Classify sedatives and hypnotics. Differentiate between barbiturates and benzodiazepines. [07]
b) Explain in detail about oral contraceptives. [05]
- Q.8** Write short notes on **ANY THREE** of the following: [12]
a) Mechanism of action of Expectorants
b) Platelet activating factor
c) Methyl alcohol
d) Nasal Decongestants