

SECOND YEAR PHARM. D (SUPPLEMENTARY) : SUMMER - 2018

SUBJECT : PHARMACOLOGY- I

Day : **Thursday**
Date : **05/07/2018**

S-2018-4058

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

N.B.

- 1) Q.1 and Q.5 are **COMPULSORY**. Out of the remaining attempt any **TWO** questions from each Section.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SEPARATE** answer book.

SECTION – I

- Q.1** a) Answer any **FOUR** of the following: (08)
i) Define volume of distribution.
ii) Define shock. Write different types of shock.
iii) Enlist various routes of administration.
iv) Define therapeutic index.
v) Define miotics. Give two examples.
b) Describe the various drugs used in the treatment of Parkinsonism. (03)
- Q.2** Define absorption. Explain in detail the mechanism of drug absorption and various factors influencing absorption of drugs. (12)
- Q.3** a) Explain pharmacological actions and therapeutic uses of digitalis and quinidine. (07)
b) Discuss treatment of Congestive Heart Failure (CHF). (05)
- Q.4** Write a note on any **THREE**: (12)
a) Blood brain barrier
b) Calcium channel blockers
c) Cholinergic drugs
d) Myasthenia gravis

SECTION – II

- Q.5** A) Solve any **FOUR** of the following: (08)
i) Define bronchodilators with examples.
ii) Define analgesics. Give examples.
iii) What is the treatment of methyl alcohol poisoning?
iv) Classify antipsychotic drugs with examples.
v) Therapeutic uses of opioids analgesics.
b) Classify antiepileptics. (03)
- Q.6** Define and classify sedatives and hypnotics. Explain the mechanism of action, pharmacology, adverse effect and uses of phenobarbitone. (12)
- Q.7** a) Classify NSAID's with examples. Explain in detail the mechanism of action, pharmacology, adverse effects and uses of selective COX-2 inhibitors. (07)
b) Explain expectorants and anti-tussives. (05)
- Q.8** Write a note on any **THREE**; (12)
a) Oral contraceptives
b) Nasal Decongestants
c) CNS stimulants
d) Oral hypoglycemic agents
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