Second Year Pharm. D (SUPPLEMENTARY) : SUMMER - 2019

SUBJECT : PHARMACOLOGY – I

Day : Thursday
Date : 04/07/2019

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

S-2019-4537

N. B. :

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

SECTION – I

Q.1 **A)** Attempt any **FOUR** of the following: **(08)**

- **i)** Explain competitive antagonism.
- **ii)** Explain volume of distribution of drug.
- **iii)** Classify neuromuscular blockers.
- **iv)** Name the drugs used in treatment of glaucoma.
- **v)** Discuss the term Drug tolerance.

B) Enlist the routes of administration of drugs. **(03)**

Q.2 Classify the anti-arrhythmic drugs. Discuss mechanism of action, adverse effects and therapeutic uses of any one class. **(12)**

Q.3 **a)** Differentiate between non-depolarizing and depolarizing neuromuscular blockers. **(07)**

b) Classify β-Blockers. Discuss in detail the pharmacological actions of propranolol. **(05)**

Q.4 Write short notes on any **THREE** of the following: **(12)**

- **a)** Dose response relationship
- **b)** Belladonna poisoning
- **c)** Congestive heart failure
- **d)** Parkinsonism

SECTION – II

Q.5 **A)** Attempt any **FOUR** of the following: **(08)**

- **i)** Write on oral contraceptives.
- **ii)** Enlist the uses of H-1 antihistamines.
- **iii)** Give classification of sedatives with examples.
- **iv)** Explain cognition enhancers.
- **v)** Write therapeutic uses of thyroid hormones.

B) Classify anticonvulsants with examples. **(03)**

Q.6 Classify the drugs used in the treatment of diabetes mellitus. Give pharmacological actions, side effects and therapeutics uses of insulin. **(12)**

Q.7 **a)** Explain in detail anti-asthmatic drugs. Explain pharmacology, therapeutic uses and adverse effects of methyl xanthines. **(07)**

b) Explain pre-anesthetic medication. **(05)**

Q.8 Write short notes on any **THREE** of the following: **(12)**

- **a)** Status epilepticus
- **b)** Oxytocin
- **c)** 5-hydroxytryptamine
- **d)** Methyl alcohol

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