



Sessional II (Even) Semester Examination, May 2025

Roll no.:

Name of the Course and semester: B. Pharm. IV Semester

Name of the Paper: Pharmacology I

Paper Code: BP404T

Time: 1.5-hour Maximum Marks: 30

Note:

- (i) This question paper contains three sections.
- (ii) All the questions are compulsory.

Section-A

Q1. Multiple Choice Questions – Attempt all questions (10 X 1 = 10 Marks)

- a. Indicate the location of M2 cholinoreceptor type: CO3
 - i) Heart
 - ii) Glands
 - iii) Smooth muscle
 - iv) Endothelium
- b. Which of the following cholinomimetics is commonly used in the treatment of glaucoma? CO3
 - i) Pilocarpine
 - ii) Lobeline
 - iii) Acetylcholine
 - iv) Neostigmine
- c. Which of the following diseases can augment the neuromuscular blockade produced by nondepolarizing muscle relaxants? CO3
 - i) Myasthenia gravis
 - ii) Burns
 - iii) Asthma
 - iv) Parkinsonism
- d. Beta2 receptor stimulation includes all of the following effects EXCEPT: CO3
 - i) Stimulation of renin secretion
 - ii) Fall of potassium concentration in plasma
 - iii) Relaxation of bladder, uterus
 - iv) Tachycardia
- e. Indicate the alfa2-selective agonist: CO3
 - i) Xylometazoline
 - ii) Epinephrine
 - iii) Dobutamine
 - iv) Methoxamine
- f. Hypnotic drugs are used to treat: CO4
 - i) Psychosis
 - ii) Sleep disorders
 - iii) Narcolepsy
 - iv) Parkinsonian disorders
- g. Indicate an antiseizure drug, which has an impotent effect on the T-type calcium channels in thalamic neurons? CO4
 - i) Carbamazepin
 - ii) Lamotrigine
 - iii) Ethosuximide
 - iv) Phenytoin
- h. Alcohol drinking is associated with which of the following changes in serum lipid concentrations? CO4
 - i) Decreased HDL cholesterol
 - ii) Decreased IDL cholesterol
 - iii) Decreased VLDL cholesterol
 - iv) Increased triglyceride
- i. Which of the following inhalation general anaesthetic is not a volatile liquid CO4
 - i) Enflurane
 - ii) Methoxyflurane
 - iii) Ether
 - iv) Isoflurane

- J. Lidocaine is used as CO4
i) Mucosal local anaesthetic
ii) Parenteral local anaesthetic agent
iii) Mucosal as well as parenteral local anaesthetic agent iv) None of the above

Section B

Q. 2 Short Questions: Attempt any two questions **(2X 5 = 10 Marks)**

- a. Discuss the types of glaucoma with their treatment. CO3
b. Write a note on general anaesthetics. CO4
c. Enlist hypnotic and sedative drugs also differentiates the barbiturates and benzodiazepines as per their mechanism of action. CO4

Section C

Q. 3 Long questions: Attempt any one question **(1X10 = 10 Marks)**

- a. Classify the adrenergic receptors and discuss the Pharmacology of Beta receptors blockers with suitable examples. CO3
b. Enlist antiepileptic drugs and discuss the MOA, Uses and side effects of phenytoin. CO4