



SLR-TV – 35

Seat No.	
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Set	P
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**B.Pharmacy (Semester – V) Examination, 2018
PHARMACOLOGY – I (New) (CBCS Pattern)**

Day and Date : Tuesday, 18-12-2018
Time : 10.30 a.m. to 1.30 p.m.

Max. Marks : 70

1. Multiple Choice Question : (1×15=15)

- 1) What is characteristic of the oral route ?
 - A) Fast onset of effect
 - B) Absorption depends on GI tract secretion and motor function
 - C) A drug reaches the blood passing the liver
 - D) The sterilization of medicinal forms is obligatory

- 2) Half life ($t_{1/2}$) doesn't depend on
 - A) Biotransformation
 - B) Time of Drug Absorption
 - C) Concentration of a drug in plasma
 - D) Rate of drug elimination

- 3) The mechanism of atropine action is
 - A) Competitive ganglion blockade
 - B) Competitive muscarinic blockade
 - C) Competitive neuromuscular blockade
 - D) Noncompetitive neuromuscular blockade

- 4) Acetylcholine is not used in clinical practice because
 - A) It is very toxic
 - B) The doses required are very high
 - C) It is very rapidly hydrolyzed
 - D) It is very costly

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- 5) β_1 receptor is present in
A) Adipose tissue
B) Bronchi
C) Heart
D) All of the above
- 6) Which of the following sympathomimetics acts indirectly ?
A) Epinephrine
B) Norepinephrine
C) Ephedrine
D) Methoxamine
- 7) Antimuscarinics are used in the treatment of the following disorders except
A) Motion Sickness
B) Glaucoma
C) Hyperhidrosis
D) Asthma
- 8) _____ the substance which changes the activity of an effector element but doesn't belong to second messengers
A) cAMP
B) cGMP
C) G-protein
D) Calcium ions
- 9) The therapeutic index of a drug is a measure of its
A) Safety
B) Potency
C) Efficacy
D) Dose Variability
- 10) Indicate the α_2 selective agonist
A) Phentolamine
B) Dihydroergotamine
C) Clonidine
D) Labetalol
- 11) Which of the following effects is associated with beta3-receptor stimulation ?
A) Lipolysis
B) Decrease in platelet aggregation
C) Bronchodilation
D) Tachycardia
- 12) Aggregation of platelet is promoted by the
A) Prostaglandin
B) Prostacyclin
C) Thromboxane
D) Both option A) and C)
- 13) 5-HT appears to play a role in the following except
A) Regulation of Normal BP
B) Regulation of Intestinal peristalsis
C) Haemostasis
D) Causation of migraine
- 14) Which is prostaglandin analogue ?
A) Pirenzepine
B) Hyoscine
C) Latanoprost
D) Norepinephrine
- 15) Which of the following eicoasanoids is Ulcer Protective ?
A) PGI_2
B) TXA_2
C) LTB_4
D) LTC_4



2. Answer **any five** of the following : **(5×5=25)**

- 1) Discuss about Adrenergic receptor, their Sites, Agonist, and Antagonist.
- 2) Write in brief about Nature and Sources of Drug.
- 3) List out unique advantages and disadvantages of oral and parental route of Administration.
- 4) Write short notes on Ganglionic blockers and Ganglionic stimulants.
- 5) Classify skeletal muscle relaxants. Give their uses.
- 6) Give the muscarinic action of acetylcholine on heart and various smooth muscles

3. Answer **any three** of the following : **(3×10=30)**

- 1) What are autacoids ? Write the Synthesis, Pharmacological action and Pathophysiological role of 5-HT.
 - 2) Classify Adrenolytics with examples. Discuss in details pharmacology of α -adrenergic blocker.
 - 3) Classify H₁ antagonist with suitable examples. Explain mechanisms of action, pharmacological action, adverse effects, therapeutic uses of antihistaminic.
 - 4) Classify Anticholinergic drugs with example. Discuss in detail pharmacology of Atropine
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