

DAO-M202104

Seat No.

Second Year D. Pharm. Examination May - 2022

2.4 Pharmacology-I (THEORY)

Time: 3 Hours [Total Marks: 70

Instruction : Figure to the right indicate full marks for the respective questions.

1 Answer the following Questions:

 $10 \times 2 = 20$

- 1. Define Prodrug.
- 2. Define Competitive antagonism with example.
- 3. What is Dale's vasomotor reversal phenomenon?
- 4. Clinical uses of Atenolol.
- 5. Classify Opioid antagonists with example.
- 6. Give examples of typical antipsychotics.
- 7. Define Nasal Decongestants. Give any two examples.
- 8. What is triple response of histamine?
- 9. Mention clinical uses of H₂ antihistaminic.
- 10. Define: Affinity and intrinsic activity.
- 2 Answer the following Questions : (Any Two)

 $2 \times 10 = 20$

- 1. Define Drug Interaction. Classify drug interactions and discuss in detail each types.
- 2. Write the classification of cholinomimetics. Explain the pharmacology of acetylcholine.
- 3. What are antihypertensive drugs? Classify them with examples. Explain the mechanism of action & therapeutic uses of ACE inhibitors.

- 3 Answer the following Questions: (Any Six) $6 \times 5=30$
 - 1. Explain the different phases of clinical trials.
 - 2. Explain pharmacology of levodopa & carbidopa.
 - 3. Write a note on calcium channel blockers.
 - 4. Explain the pharmacology of barbiturates.
 - 5. Classify the drugs used in the treatment of asthma with examples.
 - 6. Classify different types of insulin. Explain its pharmacology.
 - 7. Write a note on Oral Contraceptives.
 - 8. Classify autacoids. Explain the Pharmacology of histamine.
 - 9. Write a note on uterine stimulant and relaxant drugs.

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