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ATI PHARMACOLOGY 2022/2023 PROCTORED EXAM -STUDY GUIDE

Pharmacology Final Exam Questions

1. While providing an Angiotensin-converting enzyme (ACE) inhibitor, the patient asks what the action of the drug is. As a health care provider, you explain that the action of an ACE inhibitor is
 - a. To lower blood pressure by blocking the conversion of angiotensin I to vasoconstrictor angiotensin II
 - b. To inhibit reabsorption of sodium back into the body, ultimately increasing urine output and lowering blood pressure
 - c. To decrease heart rate and blood pressure by competing with Beta1 and Beta2 receptors in the heart and lungs
 - d. To lower blood glucose by stimulating the release of insulin

2. When administering the drug senna to a patient, a health care provider must inform the patient of which of the following
 - a. This drug is intended to lower blood pressure and is best used in combination with other antihypertensives
 - b. This drug is not intended for long term use
 - c. The patient must limit his/her fiber intake
 - d. Advise patient to change positions slowly to limit the risk of orthostatic hypotension

3. When giving digoxin (Lanoxin) to a patient, the health care provider notices various signs and symptoms of an overdose. The health care provider knows to give which of the following to reverse digoxin toxicity
 - a. Naloxone
 - b. Vitamin K
 - c. Digibind
 - d. Fluemanzil

4. Which of the following types of insulin is "long-acting"?
 - a. Lispro (Humalog)
 - b. NPH (Humulin N)
 - c. Regular insulin (Humulin R)
 - d. Glargine (Lantus)

1. What is the therapeutic use of metformin?
 - A. Lower blood pressure.
 - B. To diminish seizure activity.
 - C. The maintenance of a person's blood glucose.
 - D. Increase heart rate and decrease gastrointestinal secretions.

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- b. change in stomach pH
- c. thirst
- d. constipation

3. The classification of digoxin is:

- a. antithrombic
- b. nitrates
- c. antiplatelet agent
- d. cardiac glycosides**

4. What decreases the renin angiotensin aldosterone system?

- a. angiotensin 2 receptor antagonists
- b. beta blockers
- c. ACE inhibitors**
- d. propranolol

1. Orthostatic hypotension is a common side effect in which of these drugs (select all that apply)?

- a. ACE Inhibitors**
- b. Anticoagulants
- c. Beta Blockers**
- d. Calcium Channel Blockers**
- e. Antidiarrheal
- f. Diuretics**

2. What is the effect of Beta Blockers?

- a. Relief of diarrhea
- b. Relief of symptoms associated with allergies
- c. Decreases blood pressure and heart rate**
- d. Prevents constipation

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22. Which of the following pharmacologic classifications does the drug propranolol fall under?
- Beta Blockers
 - Cholinergics
 - Immune globulins
 - Barbiturates
23. Name a desired outcome of the drug Phenytoin:
- Decrease symptoms of PTSD
 - Resolution of signs of infection
 - Decrease or cessation of seizures without excessive sedation
 - Prevention or relief of bronchospasm
24. What is/are the action(s) of the drug metformin?
- Decreases Hepatic glucose production and intestinal glucose absorption
 - Increases sensitivity to insulin
 - Short term sedation
 - Both A and B
25. A patient comes to the hospital with a suspected opioid overdose, what would be the appropriate medication to be administered?
- Exenatide
 - Naloxone
 - Heparin
 - Tolvaptan
26. What is an example of a medication that is a bronchodilator
- Albuterol
 - Omeprazole
 - Ondansetron
 - Senna
27. Hydrochlorothiazide is classified as a
- Ant-inflammatory
 - Antiarrhythmics
 - Diuretics
 - Antifungals
28. What does it mean when a medication has a half-life?
- It only lasts for 30 mins after the medication is given
 - How long it takes for half of the dose to be eliminated from the blood stream
 - It is the peak of how effective the medicine is
 - Drug is greatly reduced before it reaches the systemic circulation

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- c. decrease in fluid output
 - d. decrease in apical pulse.
- 89. A patient has overdosed on Warfarin, what should be given to the patient to be reversed?**
- a. naran
 - b. Vitamin C
 - c. Protamine sulfate
 - d. **Vitamin K**
- 90. What is the therapeutic classification of phenytoin (Dilantin)**
- a. Mood stabilizer
 - b. Bronchodilator
 - c. **anticonvulsant**
 - d. Mood stabilizer
- 91. What is one of the therapeutic uses of ACE inhibitors**
- a. **Lowering of Blood pressure**
 - b. Bronchodilation
 - c. Decreased incidence of nausea and vomiting
 - d. Decrease in severity of pain
- 92. When administering the medication Spironolactone, when is the best time to administer it?**
- a. Evening
 - b. Noon
 - c. At bedtime
 - d. **Morning**
- 93. What is the pharmacologic classification of Amlodipine**
- a. Beta blocker
 - b. 5-HT₃ antagonist
 - c. Nonopioid analgesic
 - d. **Calcium channel blocker**