

Questions 1-15: Choose the best answer (2% each)

1. Tramadol is classified as a (an)
 - A. analgesic
 - B. anti-infective
 - C. muscle relaxant
 - D. sedative-hypnotic
 - E. tranquilizer

2. Ganciclovir is used most commonly to treat
 - A. AIDS
 - B. CMV retinitis
 - C. Encephalitis
 - D. Genital herpes
 - E. Influenza

3. Baclofen is used primarily as a (an)
 - A. anti-anxiety agent
 - B. anti-spasmodic
 - C. muscle relaxant
 - D. sympathomimetic
 - E. tranquilizer

4. Pentoxifylline acts primarily by
 - A. decreasing viscosity of the blood
 - B. dissolving cholesterol
 - C. increasing biotransformation
 - D. oxidative mechanisms
 - E. preventing formation of cholesterol

5. Drugs that inhibit the metabolism of terfenadine include which of the following?
 - I. Ciprofloxacin
 - II. Erythromycin
 - III. Ketoconazole
 - A. I only
 - B. III only
 - C. I and II only
 - D. II and III only
 - E. I, II, and III

6. Which of the following is an oral hypoglycemic agent?
 - A. Cisapride
 - B. Ketorolac
 - C. Metformin
 - D. Riluzole
 - E. Terbinafine

7. Cetirizine is a
 - A. nonspecific histamine antagonist
 - B. histamine 1 antagonist
 - C. histamine 2 antagonist
 - D. histamine 1 agonist
 - E. histamine 2 agonist

8. The principal adverse effect of acabose is
- dermal
 - hematologic
 - hepatic
 - gastrointestinal
 - renal
9. Which of the following HMG-CoA reductase inhibitors causes the greatest percentage increase in HDL
- Fluvastatin
 - Lovastatin
 - Pravastatin
 - Simvastatin
 - All produce equivalent reductions
10. Finasteride's action in the treatment of benign prostatic hypertrophy is as a (an)
- 5-alpha reductase inhibitor
 - HMG-CoA reductase inhibitor
 - Serotonin reuptake inhibitor
 - P450 hepatic enzyme inhibitor
 - None of the above
11. A combination of an antiretroviral and a protease inhibitor may result in which of the following actions?
- Sustained reduction in viral load
 - Decrease the development of resistance
 - Reduce the incidence of opportunistic infections
- I only
 - III only
 - I and II only
 - II and III only
 - I, II, and III
12. Which of the following statement(s) regarding low molecular weight heparins (LMWHs) is (are) true?
- Predominantly inhibits thrombin
 - Dose not require APTT monitoring
 - Has a stronger affinity than conventional heparin for factor II
- I only
 - III only
 - I and II only
 - II and III only
 - I, II, and III
13. Tamoxifen is classified as a (an)
- androsterone
 - antiestrogen
 - estrogen
 - testosterone
 - thyroid hormone

14. Risperidone is a (an)
- anti-inflammatory
 - anti-viral
 - cardiotonic
 - diuretic
 - psychotropic
15. The pharmacologic actions of sulindac include
- anti-inflammatory properties
 - antipyretic properties
 - analgesic properties
- I only
 - III only
 - I and II only
 - II and III only
 - I, II, and III
16. What is the meaning of "Pharmacogenetics"? Give some pharmacogenetic conditions to explain their consequences. (10%)
17. Explain the role of antihypertensive therapy in renoprotection. What are the mechanisms? (10%)
18. Define efficacy, potency and therapeutic index for a drug. (10%)
19. Describe the possible mechanism(s) of drug-drug interactions. (10%)
20. What are the choice of drugs and contraindications in the treatment of hypertension complicated with diabetes mellitus? And briefly explain. (15%)
21. Compare the similarity and difference between Losartan and Enalapril in their pharmacological mechanisms of action, indications, and adverse effects. (15%)