HPRS 2300 Pharmacology
Exam V Review

1. Understand the mechanisms of action of the following drugs:
   a. Sulfonamides
   b. Topical antifungals
   c. Anthelmintics
   d. Antivirals
   e. Corticosteroids (as immunosuppressives)

2. Understand the most common side effects and considerations of the following drugs:
   a. Antibiotics (as a class of drugs and more specifically those listed below)
      i. Penicillin
      ii. Sulfonamides
      iii. Tetracycline
   b. Immunomodulating drugs (as a class of drugs)
   c. Drugs used in treatment of cancer (as a class of drugs and more specifically listed below)
      i. Tamoxifen
   d. Antiseptics and disinfectants
   e. Anthelmintics
   f. Azole antifungals
   g. Flu vaccine
   h. Tamiflu
   i. Amphotericin B
   j. Flagyl

3. What is “red man syndrome,” what medication is it associated with?

4. What are the advantages of 4th generation penicillins?

5. What is chemoprophylaxis; why is it done?

6. What is antibiotic resistance; how does it develop?

7. How is chemotherapy resistance avoided?

8. Which types of antifungal drugs are fungicidal?

9. What are the dermatophytic infections and what class of drugs is used to treat them?

10. Why have we been unable to create a vaccine for HIV?

11. What is the action of viruses?

12. Differentiate passive immunity and acquired immunity

13. Define sterilization (equipment, not people)

14. Differentiate the uses of antiseptics and disinfectants

15. What are the approaches used in the treatment of cancer?

16. What were the first cancer drugs developed?

17. What are the roles of the cells involved in the immune response?

18. 7 Calculation problems