

Chemotherapy

LAQs

1. Classify chemotherapeutic agents and describe their mechanism of action giving examples.
2. Describe the history of chemotherapy.
3. Explain the term chemoprophylaxis & describe briefly the various categories of chemoprophylaxis giving examples.
4. Describe the problems of chemotherapy.
5. Discuss the principles of chemotherapy.
6. Classify sulfonamides. Describe the mechanism of action, adverse effects and therapeutic uses of co-trimoxazole.
7. Classify penicillins. Describe the mechanism of action, prophylactic uses and adverse effects benzylpenicillin.
8. Classify cephalosporins. Describe the therapeutic uses & adverse effects of third generation cephalosporins.
9. Enumerate Aminoglycosides. Describe their mechanism of action, therapeutic uses & adverse effects.
10. Enumerate / Classify fluoroquinolones. Describe their mechanism of action, therapeutic uses & adverse effects.
11. Classify anti-TB drugs. Describe mechanism of action & adverse effects of INH & rifampin.
12. Enumerate tetracyclines. Describe mechanism of action, therapeutic uses and adverse effects of doxycycline.
14. Classify anti-amoebic drugs. Describe the therapeutic uses & Adverse effects of metronidazole.
15. Describe indications, advantages & disadvantages of antimicrobial combinations with suitable examples
16. Classify beta lactam antibiotics with one example of each of them.
- 17 Describe the mechanism of action, uses & adverse effects of Cephalosporins.

SAQ

1. Define the term chemotherapy with example.
2. Define the term antibiotic with example.
3. Define the term antimicrobial agent with example.
4. Define the term bactericidal & bacteriostatic giving examples.

5. Explain the term: spectrum of activity giving examples. Explain the term: MIC & carrier state.
7. Give pharmacological basis for the use of antibiotics in combination.
8. Describe briefly the microbial resistance.
9. Describe briefly the adverse effects of INH.
10. Describe briefly the adverse effects of rifampicin.
11. Describe briefly the DOT of tuberculosis.
12. Write the differences between tetracycline & doxycycline.
13. Write the differences between ampicillin & amoxicillin.
14. Why is tetracycline contraindicated in children?
15. Mention four uses of metronidazole. Explain why alcohol drinking is not permitted while taking this drug ?
16. What is lepra reaction?
17. Write briefly the treatment of lepra reaction.
18. Give mechanism of action of cotrimoxazole & any 4 therapeutic uses.
19. Enumerate the therapeutic uses of acyclovir.
20. Mention four antiviral drugs used to treat HIV infection.
21. Mention four drugs used in leprosy.
22. Enumerate the indications for antimicrobial combinations
23. Name 2 drugs each used for treatment of acute amoebic & Acute bacillary dysentery
24. Enumerate first line agents used in treatment of pulmonary tuberculosis.
Mention merits & demerits of as antituberculous agents of any one of them
25. Mention therapeutic uses of penicillin. Why clavulanic acid is combined with amoxicillin ?
26. Mention the mechanism of action of ciprofloxacin. Why it is less liable to cause adverse effects in human beings ?
27. Name 2 macrolide antibiotics. What is their mechanism of action ? Mention 2 uses & 2 side effects of them