

Code No: BP414
JAWAHARLAL NEHRU TECHNOLOGY UNIVERSITY HYDERABAD
B. Pharmacy IV year - I-Sem.- I Mid – Term Examinations, Aug/Sept. – 2009
PHARMACOLOGY-III
Descriptive Exam – Question Bank

Unit - I

1. Define the following with the examples?
a) Carminatives b) demulcents c) Protectants d) astringents e) adsorbents
2. Define antacids and write the classification of antacids with suitable examples?
3. Discuss briefly the path physiology of peptic ulcer and list out the drugs used in treatment of ulcer based on their mechanism of action?
4. Write a short note on Sucralfate and Omeprazole?
5. Define anti-emetics and discuss about the drugs used in treatment of vomiting and nausea?
6. Mention the drugs that cause vomiting?
7. Discuss briefly Appetizers and Anorexiant with examples?
8. Write in detail about the pharmacology and mechanism of action of
a) Proton pump inhibitors
b) Histamine-2 receptor antagonists?
9. Explain the role of various enzymes in digestion?
10. How antibacterial drugs play a role in treatment of gastric ulcers?
11. Write a note on Digestants and Mucolytics?
12. Differentiate antacids and anti-secretory agents?
13. Write the uses and mechanism of action of the following
a) Ipecac b) Cimetidine c) Metronidazole d) Aluminum hydroxide e) Liquid paraffin?
14. List out drugs acting on Gastro intestinal tract with examples?
15. Define laxatives and classify them according to their mechanism of action with examples?
16. Differentiate Emetics & Anti-emetics?
17. Discuss the role of Oral rehydration therapy in treatment of Diarrhoea?
18. Write a note on Anti-diarrheal drugs?
19. Classify anti-ulcer drugs according to their mechanism of action with Suitable examples?
20. Explain the role of Helico bacter pylori in the pathogenesis of peptic Ulcer and mention the drugs which inhibit that bacteria?

UNIT-II

21. Define the chemotherapy and write a brief note on chemotherapeutic agents used in various infections?
22. Write a note on Classifications of chemotherapeutic agents?
23. Discuss the mechanism of action of chemotherapeutic drugs?
24. Write a note on antibacterials originated from fungi?
25. Explain the mechanism of development of resistance to antibacterial drugs by bacteria?
26. Define bacterial resistance and classify the different types of bacterial resistance?
27. Write a note on Cross resistance?
28. How resistance to antimicrobials can be prevented?
29. Explain the adverse reactions of chemotherapeutic agents ?
30. How antimicrobials are used as Prophylactic medicine?
31. Discuss the benefits of combination of antimicrobials?
32. Write in detail of Sulphonamides?
33. Explain the antibacterial spectrum and mechanism of action of
a. Pencillins b) pencillinase resistant drugs?

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34. Discuss the therapeutic uses of sulphonamides?
35. Write a note on various Penicillin preparations and list out their therapeutic uses?
36. Write a note on Beta lactamase enzyme inhibitors?
37. Explain anti –bacterial spectrum, mechanism of action & therapeutic uses of Co-trimoxazole?
38. Discuss in detail about beta- lactam antibiotics?
39. Compare narrow spectrum and broad spectrum antibiotics?
40. What is super/supra infection and write a note on it?

UNIT-III

41. Write a note on the antibacterial drugs inhibiting protein synthesis?
42. Discuss the antibacterial spectrum & mechanism of Tetracyclins?
43. Outline the therapeutic uses & contraindications of tetracyclins?
44. Discuss briefly bacteriostatic agents?
45. Explain pharmacology & indications of Chloramphenicol?
46. Write Briefly about Amino glycosides?
47. Explain the pharmacokinetic parameters of various tetracyclins?
48. Write two uses of the following?
 - a. tetracyclins b) flouroquinolones c) macrolides d) vancomycin
49. Mention the bactericidal and bacterostatic drugs inhibit protein synthesis with their uses?
50. Classify the flouroquinolones? Write their uses and contraindications?
51. Mention the drugs that come under miscellaneous antibiotics & their therapeutic uses?
52. Discuss the following a) erythromycin b) vancomycin?
53. Name the antibiotic drug used in the treatment of following diseases along with their mechanism of action?
 - a) Typhoid b) urinary tract infections c) gonorrhoea d) peptic ulcer
54. Classify amino glycosides and write their therapeutic uses?
55. Write the contraindications of Chloramphenicol, tetracyclins & Flouroquinolones?
56. List out the various drugs used in treatment of Urinary tract Infection and Sexually transmitted diseases?
57. Write a note Glycopeptide Antibiotics?
58. Mention the drugs inhibit DNA gyrase enzyme & mention their Indications?
59. Write the mechanism of action of the following?
 - a) erythromycins b) cephalosporins c) clindamycin d) streptomycin e) Ofloxacin
60. Write a note on Cephalosporins?

UNIT-VI

61. Discuss briefly the pathophysiology of tuberculosis diseases and list Out the drugs used in its treatment?
62. Discuss the First line antitubercular drugs?
63. Discuss the Second line antitubercular drugs?
64. Define Multi drug resistant TB and write the treatment for it?
65. List out Various chemotherapeutic Regimens for Tuberculosis?
66. Describe the pathogenesis of Leprosy and list out the antileprotic drugs?
67. Write a note on Isoniazid?
68. Explain the mechanism of action and adverse effects of first line Antitubercular drugs?
69. Compare first line and second line anti TB drugs?
70. What is extensively drug resistant Tuberculosis and list out the drugs used in its treatment?

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71. Briefly write about a) anti TB drugs b) antileprotic drugs?
72. Classify the leprosy and mention antileprotic drugs?
73. Write detailed notes on Dapsone?
74. List out Various chemotherapeutic Regimens for Leprosy?
75. Explain the pharmacology of the following
a) Rifampicin b) Clofazimine
76. Discuss the Multidrug therapy (MDT) for Leprosy?
77. Discuss the disease caused by Mycobacterium species and their Treatment?
78. Mention the toxicity of Isoniazid, rifampicin, ethambutol & Pyrazinamide?
79. List out two drugs used in treatment of TB and Leprosy?
80. Discuss the toxic effects of Antileprotic drugs?

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