

Subject Title: Medical Microbiology

Paper: VII

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**Unit - I: INTRODUCTION TO MEDICAL MICROBIOLOGY**Essay Question

1. Write a brief account on History of medical Microbiology?
2. Write an essay on Normal flora of Human body?
3. Write an essay of host pathogen interaction?
4. Write a brief account on non-specific defense mechanism?
5. Write an essay on antibacterial substances?
6. Define bacterial toxin? Write about different types of bacterial toxin?
7. Describe briefly about Virulence properties of bacteria?
8. Discuss briefly about Attenuation process?

Short Answer

9. Lysozyme.
10. Bacteriocin.
11. Normal flora.
12. Latent infection.
13. Chronic infection.
14. Acute infection.
15. Pyogenic infection.
16. Bacteremia.
17. Septicemia
18. Complement.
19. Properdin.
20. Antiviral substances.
21. Phagocytosis.

22. Robert Koch Postulates.
23. Enterotoxin
24. Exotoxin
25. Super Antigens

#### Unit - II: DIAGNOSTIC AND THERAPEUTICAL MICROBIOLOGY

##### Essay Question

26. Write a brief note on general principles of lab diagnosis?
27. Write a brief note on general method of lab diagnosis?
28. Write an essay on development of chemotherapy?
29. Describe briefly on antiviral agents?
30. Define antimicrobial susceptibility? Write different types of antimicrobial susceptibility test?
31. Describe briefly about active and passive immunization?
32. Write an essay on molecular methods of lab diagnosis?
33. Describe briefly about prevention and control of disease caused by active and passive immunization?
34. Write an essay on Biochemical methods of lab diagnosis?
35. Discuss the different mode of action of Penicillin?
36. Discuss the different mode of action of Sulpha drug?

##### Short Answer

37. Drug resistance.
38. Intubation
39. Catheter
40. Blood culture
41. Nucleic acid probe
42. Transport media
43. Plasmid fingerprinting
44. Aspiration

45. Sulpha drug
46. Penicillin
47. Interferon.
48. Base analogues.
49. Passive immunization
50. Active immunization

Unit - III: MEDICAL BACTERIOLOGY

Essay Question

51. Write an essay on Tuberculosis?
52. Write an essay on Cholera?
53. Write an essay on Typhoid?
54. Write an essay on Syphilis?
55. Write an essay on Gonorrhoea?
56. Write an essay on Anthrax?
57. General account of Nosocomial infections?

Short Answer

58. Lab diagnostic of Tuberculosis.
59. Prevention and control of Tuberculosis.
60. Prevention and control of Cholera
61. Lab diagnostic of Cholera
62. Prevention and control of Typhoid
63. Lab diagnostic of Typhoid
64. Prevention and control of Syphilis
65. Lab diagnostic of Syphilis
66. Prevention and control of Gonorrhoea
67. Lab diagnostic of Gonorrhoea
68. Prevention and control of Anthrax
69. Lab diagnostic of Anthrax

70. Nosocomial infections

Unit - IV: Medical virology and Parasitology

Essay Question

- 71. Write an essay on Influenza?
- 72. Write an essay on Hepatitis-A?
- 73. Write an essay on Poliomyelitis?
- 74. Write an essay on Malaria?
- 75. Write an essay on Amoebiosis?
- 76. Write an essay on Filariasis?
- 77. Write an essay on Dengue fever?
- 78. Write an essay on Rabies?
- 79. Write an essay on Serum hepatitis?
- 80. Write an essay on AIDS?

Short Answer

- 81. Prevention and control of Influenza
- 82. Lab diagnostic of Influenza
- 83. Prevention and control of Lab diagnostic of
- 84. Lab diagnostic of Lab diagnostic of
- 85. Lab diagnostic of Poliomyelitis
- 86. Prevention and control of Poliomyelitis
- 87. Lab diagnostic of Malaria
- 88. Prevention and control of Malaria
- 89. Lab diagnostic of Amoebiosis
- 90. Prevention and control of Amoebiosis
- 91. Lab diagnostic of Filariasis
- 92. Prevention and control of Filariasis
- 93. Lab diagnostic of Dengue fever
- 94. Prevention and control of Dengue fever

95. Lab diagnostic of Rabies
96. Prevention and control of Rabies
97. Lab diagnostic of Serum hepatitis
98. Prevention and control of Serum hepatitis
99. Lab diagnostic of AIDS
100. Prevention and control of AIDS

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