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**INFECTIOUS DISEASES, EPIDEMIOLOGY AND TROPICAL MEDICINE EXAMINATION SYLLABUS**

1. Infection, Infectious Process, Host – Pathogen Interactions.
2. Infectious Disease – definitions, periods, clinical forms.
3. Clinical Syndromes.
4. Acutely Ill Infected Febrile Patient. Fever of Unknown Origin.
5. Infections in Immunocompromised Host. HIV/AIDS.
6. Diagnostic Approach to Infectious Diseases – Biochemical, Microbiological, Virological and Serological Investigations. Diagnosis.
7. Therapy of Infectious Diseases
8. Subject, Goals and Methodology of Epidemiology.
9. Epidemiological Investigation
10. Epidemic Process – Nature and Characteristics.
11. Categories of Epidemic Outbreaks.
12. Mechanism of Transmission of the Infection. Categories of Epidemic Mechanisms. Source of Infection. Types of Sources.
13. Susceptibility and Immunity – Epidemiological Approach.
14. Vaccines. Prophylaxis with Vaccine. Immunization Calendar. Immunization - Indications and Contraindications. Side Effects and Complications.
15. Nosocomial Infections (NI). Organization of the Control of NI. Medical Standards for the Control of NI. Microorganisms responsible for NI.
16. Organization of The Control In Hazardous Hospital Wards
17. Common Prophylactic and Anti-epidemic Measures for Control of Acute Infectious Diseases.
18. Disinfection.
19. Disinsection.
20. Deratisation.
21. Acute Infectious Diarrhoeal Diseases - Etiology and Pathogenesis.
22. Typhoid and Non-typhoid Salmonelloses. Typhus abdominalis.
23. Shigellosis /Bacterial dysentery/
24. Infections due to E. coli - bacteria
25. Food poisoning. Botulism.
26. Campylobacter- and Yersinia- enterocolitis
27. Cholera.
28. Viral Gastroenteritis
29. Diseases due to Enteroviruses, Including Poliovirus /Poliomyelitis, Coxsackie, ECHO – v. Infections/
30. Influenza, Parainfluenza
31. Common Viral Respiratory Infections: Adeno-, Rhino, REO -, RS – Viral Infections. Severe Acute Respiratory Syndrome /SARS/
32. Whooping Cough.
33. Legionnaire’s Disease.
34. Mycoplasma and Chlamydia infections.
35. Measles.
36. Rubella (German Measles)
37. Exanthema subitum, Erythema infectiosum .
38. Varicella – Zoster Virus – Infections.
39. Smallpox. Vaccinia.
40. Mumps.
41. Epstein – Barr V. Infection Incl. Mononucleosis Infectiosa. Infections due to Other Human Herpesviruses, incl. Cytomegalovirus
42. Scarlet Fever and Other Infections cause by Streptococci. / STSS, Phagedaena, Erysipelas/
43. Sepsis. SIRS. MODS. Septic Shock.
44. Diphtheria.
45. Meningococcal Infections. Meningitis еpidemica. Syndroma Waterhouse Friderichsen. Diagnosis. Treatment.
46. Acute Viral Hepatitis A, E.
47. Acute Viral Hepatitis B, D. Acute Viral Hepatitis C
48. Differential Diagnosis of Icterus in Acutely Ill Infected Patient
49. Leptospirosis.
50. Brucellosis
51. Yersinioses. Plague
52. Tularemia
53. Glanders and Melioidosis
54. Rickettsioses. Typhus exanthematicus. Tick Born Typhus.
55. Mediterranean Spotted fever
56. Q Fever
57. Borrelioses. Typhus recurrens.
58. Lymeborreliosis.
59. Bartonella Infections, Incl. Cat-Scratch Disease.
60. Tetanus. Immunoprophylaxis and Treatment
61. Anthrax. Gas-gangrene.
62. Rabies.
63. Arboviral encephalites /West-Nile; Tick born etc./
64. Viral Haemorrhagic Fevers.
65. Yellow Fever.
66. Dengue.
67. Disorders in Haemostasis and Haemorrhagic Syndrome in the Infectology.
68. Miscellaneous Infections /Sodoku, Aphthe epizootizae/
69. Actinomicosis, Nocardiosis
70. Infectious Diseases Common for both Temperate and Tropical Climate
71. Infectious Diseases Subjected for International Health Regulation.
72. Organization of the Control of Tropical Diseases. Sanitary Border Protection. Health Advice for International Travel Medicine.
73. Symptoms and Syndromes in Parasitic Infections.
74. Laboratory Diagnosis of Intestinal Parasites
75. Laboratory Diagnosis of Blood and Tissue Parasites
76. Malaria
77. Leishmanioses (Visceral, Cutaneous and Mucocutaneus)
78. Toxoplasmosis
79. Amebiasis
80. Giardiasis
81. [Trichomonosis](http://www.dpd.cdc.gov/dpdx/HTML/Frames/S-Z/Trichomoniasis/body_Trichomoniasis_page1.htm)
82. Enterobiosis
83. Ascaridosis
84. Trichocephalosis
85. Trichinelosis.
86. Taeniases, Cysticercosis
87. Hymenolepidosis/
88. Echinococcosis.
89. Schistosomiases
90. Fasciolosis

**1. Mandell, Bennett and Dolin: Principles and Practice of Infectious Diseases, 6 th ed, 2005**

 **2. Harrison’s Internal Medicine, 17th edition**

3. Burke Cunha: Infectious Diseases in Critical Care Medicine, 3rd edition

 4. Jonathan Cohen, William G.Powderly, Steven M. Opal: Infectious Diseases 3rh edition

 5. Frederick Southwick: Infectious Diseases: A Clinical Short Course, 2nd edition, 2007

 6. R. Guerrant, David Walker, Peter Weller: Tropical Infectious Diseases, 3rd edition