



**FORM**

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**EXAMINATION SYNOPSIS**

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# **EXAMINATION SYNOPSIS**

**FOR SEMESTER EXAMINATION IN ACADEMIC YEAR 2019/2020**

**IN**

**„INFECTIOUS DISEASE EPIDEMIOLOGY”**

**WITH STUDENTS AT MU-PLEVEN**

**SPECIALTY: MEDICINE**

## **Basic epidemiology**

1. INFECTIOUS DISEASE, EPIDEMIOLOGY: DEFINITION, SUBJECTS, AIMS.
2. CHAIN OF INFECTION: DEFINITION, LINKS, SPORADIC, ENDEMIC, EPIDEMIC, PANDEMIC.
3. ANTROPONOSES - HUMAN SOURCE, CASE AS A SOURCE OF INFECTION.
4. ZOONOSES. ANIMAL AS A SOURCE AND RESERVOIR OF INFECTION.
5. MODE OF TRANSMISSION. DEFINITION. STAGES. CLASIFICATION OF MODES OF TRANSMISSION.

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6. EPIDEMIOLOGICAL CLASIFICATION OF INFECTIOUS DISEASES.
7. FACTORS AND ROUTES OF TRANSMISSION. THE ROLE OF AIR, WATER, FOOD AND SOIL.
8. VECTORS OF INFECTIOUS DISEASES – MOSQUITO, FLEAS, LICE, TIKS. EPIDEMIOLOGICAL SIGNIFICANCE.
9. CHAIN OF INFECTION. INFLUENCE OF ENVIRONMENTAL FACTORS. SEASONAL AND SECULAR TRENDS.
10. TYPES OF EPIDEMICS: WATER-BORN, FOOD-BORN, AIR-BORN, VECTOR BORN EPIDEMICS.
11. EPIDEMIOLOGICAL INVESTIGATION - STAGES. ANALYSIS OF RESULTS.
12. SUSCEPTIBLE HOST IMMUNITY: DEFINITION. TYPES OF IMMUNITY. HERD IMMUNITY.
13. IMMUNOPROPHYLAXIS. IMMUNIZING AGENTS.
14. IMMUNOZATION SCHEDULE. CONTRAINDICATIONS.
15. DISINFECTION. DEFINITION. TYPES. METHODS. DISINFECTANTS.
16. DISINSECTION. DEFINITION. TYPES. METHODS. INSECTICIDES.
17. RODENT CONTROL. DEFINITION. TYPES. METHODS. RODENTICIDES.
18. PREVENTION AND CONTROL OF INFECTIOUS DISEASES.  
EPIDEMIOLOGICAL MEASURES IN FOCUS OF INFECTION.
19. NOSOCOMIAL INFECTIONS – EPIDEMIOLOGY, PREVENTION AND CONTROL.
20. GLOBAL AND NATIONAL EPIDEMIOLOGICAL CONTROL.  
ELIMINATION OF INFECTIOUS DISEASES.

**Special epidemiology****1. TYPHOID FEVER**

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2. FOOD TOXIINFECTIONS – SALMONELLOSIS
3. BOTULISM.
4. SHIGELLOSIS.
5. COLIENTERITIS
6. CHOLERA
7. GASTROINTESTINAL INFECTIONS WITH VIRAL ETIOLOGY
8. BRUCELLOSIS
9. LEPTOSPIROSIS
10. VIRAL HEPATITIS “A” AND VIRAL HEPATITIS “E”
11. VIRAL HEPATITIS “B” AND VIRAL HEPATITIS ”D”
12. ACUTE LIVER FAILURE
13. VIRAL HEPATITIS “C”
14. DIPHTHERIA
15. SCARLET FEVER
16. MEASLES
17. RUBELLA
18. CHICKENPOX. HERPES ZOSTER (SHINGLES)
19. INFECTIOUS MONONUCLEOSIS (EPSTEIN-BARR’ DISEASE)
20. INFLUENZA. OTHER RESPIRATORY INFECTIOUS DISEASES
21. PERTUSSIS
22. MUMPS
23. MENINGOCOCCAL DISEASE. CLINICAL FORMS OF MENINGOCOCCAL DISEASE
24. SECONDARY BACTERIAL MENIGITIS AND MENINGOENCEPHALITIS
25. PRIMARY AND SECONDARY VIRAL MENINGITIS AND MENINGOENCEPHALITIS
26. POLIOMYELITIS
27. TULAREMIA

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28. EPIDEMIC (LOUSE-BORNE) TYPHUS FEVER
29. Q-FEVER
30. BOUTONNEUSE FEVER
31. CONGO-CRIMMEAN HEMORRHAGIC FEVER
32. HAEMORRHAGIC FEVER WITH RENAL SYNDROME
33. YELLOW FEVER
34. HUMAN IMMUNODEFICIENCY VIRUS. ACQUIRED  
IMMUNODEFICIENCY SYNDROME
35. ORNITHOSIS (PSITACOSIS)
36. ANTHRAX
37. TETANUS
38. RABIES
39. LYME DISEASE

**References:**

1. Principles and Practice of Infectious diseases., Gerald L., Mendell, John E. Bennett, Raphael Dolin, 2000 vol I – 1-1534, vol II – 1536-3263.
2. Lectures

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