**EXAMINATION SYNOPSIS**

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

**IN**

 **„INFECTIOUS DISEASES** **EPIDEMIOLOGY ”**

**WITH STUDENTS AT MU-PLEVEN**

**SPECIALTY: MEDICINE**

 1. INFECTIOUS DISEASE EPIDEMIOLOGY. DEFINITION. SUBJECT.

 METHODS.

 2. CHAIN OF INFECTION. DEFINITION. LINKS. MANIFESTATIONS:

 SPORADIC, EPIDEMIC, PANDEMIC.

 3. SOURCES AND RESERVOIRS OF INFECTION. HUMAN SOURCE.

 CARRIERS AS A SOURCE OF INFECTION.

 4. SOURCES AND RESERVOIRS OF INFECTION. HUMAN SOURCE.

 CASE AS A SOURCE OF INFECTION.

 5. SOURCES AND RESERVOIRS OF INFECTION. ANIMAL

 RESERVOIR. ZOONOSES.

 6. MODES OF TRANSMISSION. DIRECT TRANSMISSION.

 7. MODES OF TRANSMISSION. INDIRECT TRANSMISSION.

 8. SOURCE OF INFECTION. WATER, AIR, FOOD, SOIL.

 9. SOURCE OF INFECTION: BODY FLUIDS, BYPRODUCTS,

 TRANSPLANTS, MEDICAL EQUIPMENT, INSTRUMENTS, ETC.

10. VECTORS. PUBLIC HEALTH IMPORTANCE OF LICE, FLEAS,

 MOSQUITOES.

11. VECTORS. PUBLIC HEALTH IMPORTANCE OF TICKS AND

 MITES.

12. SUSCEPTIBLE HOST. IMMUNITY: DEFINITION, TYPES OF

 IMMUNITY. HERD IMMUNITY.

13. CHAIN OF INFECTION. INFLUENCE OF ENVIRONMENTAL

 FACTORS. SEASONAL AND SECULAR TRENDS.

14. TYPES OF EPIDEMICS: WATER-BORNE, FOOD-BORNE,

 VECTOR-BORNE.

15. IMMUNIZATION. ACTIVE AND PASSIVE IMMUNIZATION.

 IMMUNIZING AGENTS (VACCINES, IMMUNOGLOBULIN,

 ANTISERA).

16. DISINFECTION – DEFINITION, TYPES, METHODS.

 DISINFECTANTS.

17. STERILIZATION. DEFINITION. HEAT STERILIZATION. LOW

 TEMPERATURE STERILIZATION. CHEMICAL STERILANTS.

18. RODENT CONTROL. METHODS. RODENTICIDES.

19. PREVENTION AND CONTROL OF INFECTIOUS DISEASES.

 BASIC PREVENTIVE AND CONTROL MEASURES.

20. NOSOCOMIAL INFECTIONS. EPIDEMIOLOGY, PREVENTION

 AND CONTROL.

21. GLOBAL AND NATIONAL EPIDEMIOLOGICAL CONTROL.

 PROGRAMMES FOR DISEASE ELIMINATION AND

 ERADICATION.

22. EMERGING AND RE-EMERGING INFECTIOUS DISEASES.

**REFERENCES:**

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

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