

SYLLABUS OF QUESTIONS FOR EXAMINATION OF PRACTICAL MICROBIOLOGY

1. Collection and transport of clinical materials to microbiological examinations
2. Light and dark field microscopy
3. Gram staining
4. Acid-fast staining
5. Staining according to Giemsa
6. Microbic vaginal pictures
7. Cultivation of aerobic microorganisms – general principles
8. Cultivation of aerobic microorganisms – inoculation of clinical material
9. Cultivation of anaerobic microorganisms
10. Disk susceptibility test, combinations of antimicrobial drugs
11. Standard dilution micromethod - MIC method, assay for beta- lactamases
12. Agglutination
13. Serotyping of *Escherichia coli*
14. Complement fixation test
15. ELISA (enzyme-linked immunoassay)
16. Serodiagnosis of lues (VDRL, TPHA, TPIT)
17. Differential diagnosis of gram-negative rods
18. Differential diagnosis of staphylococci
19. Differential diagnosis of streptococci and enterococci
20. Differential diagnosis of corynebacteria
21. Differential diagnosis of haemophili and neisseriae
22. Differential diagnosis of anaerobic bacteria
23. Differential diagnosis of parasite eggs
24. Differential diagnosis of yeasts (assimilation and fermentation profiles)
25. Evaluation of mould cultures
26. Serodiagnosis of influenza