

PG Degree Examinations in Microbiology (MD) - May 2017

Paper II - Bacteriology and Mycology

Time: 3 hrs

Max marks:100

- ***Answer all questions***
- ***Draw diagrams wherever necessary***

Essays: (20)

1. Describe briefly the biology and classification of chlamydiae. Enumerate human diseases caused by chlamydia trachomatis and outline the laboratory diagnosis.

Short essays: (8x10=80)

2. Discuss the laboratory diagnosis of rickettsial diseases.
3. Discuss the rapid methods for diagnosis of fungal infection.
4. Discuss the aetiopathogenesis and laboratory diagnosis of mycotic keratitis.
5. Enumerate the organisms causing non-gonococcal urethritis. Discuss its laboratory diagnostic methods.
6. Discuss the automation in clinical microbiology.
7. Discuss the opportunistic fungal infections in immune compromised patients and outline their laboratory diagnostic methods.
8. Describe briefly the epidemiology, pathogenesis, and laboratory diagnosis of meningococcal meningitis.
9. Enumerate the fungi causing subcutaneous mycosis. Briefly outline laboratory diagnosis.
