

QP Code:102109

Reg. No.:.....

PG Degree Examinations in Microbiology (MD) April 2019

Paper II - Bacteriology and Mycology

Time: 3 hrs

Max marks:100

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

Essay:

(20)

1. Discuss the recent concepts in the nomenclature, taxonomy and laboratory diagnosis of leptospirosis. Add a note on the pathogenesis of Weil's disease.

Short essays:

(8x10=80)

2. Describe the non-typhoidal salmonellosis.
3. Describe the rapid and the newer methods in diagnosis of tuberculosis.
4. Discuss the role of non-fermenting gram-negative bacilli in nosocomial infections.
5. ESKAPE group of pathogens.
6. Discuss the pathogenesis, laboratory diagnosis and immune-prophylaxis of human anthrax.
7. Describe briefly the various virulence determinants of cryptococcus neoformans. Add a note on the laboratory diagnosis of cryptococcal meningitis.
8. Classify mycetoma. Describe the pathogenesis, clinical features, laboratory diagnosis of eumycotic mycetoma.
9. Discuss the pathogenesis and laboratory diagnosis of invasive aspergillosis.
