

133-NR

Dr. NTR University of Health Sciences::Vijayawada-520 008
M.D. DEGREE EXAMINATION – NOVEMBER, 2016

MICROBIOLOGY

Paper-II : Systemic Bacteriology

Time: 3 Hours

Max. Marks:100

Note: Answer all questions

All questions carry equal marks

Draw neat diagrams wherever necessary

WRITE SHORT ESSAYS ON THE FOLLOWING:

- 1) Describe the epidemiology, pathogenesis and lab diagnosis of Brucellosis
- 2) Enumerate the etiological agents causing Acute Pyogenic Meningitis and add a note on their laboratory diagnosis.
- 3) Describe the methods to detect antimicrobial resistance in Mycobacteria.
- 4) Biofilm and its role in drug resistance.
- 5) Central line associated blood stream infections
- 6) Classify Rickettsial infections. Add a note on pathogenesis and lab diagnosis of Rickettsial infections.
- 7) Discuss the Leptospirosis Burden in India and its laboratory diagnosis
- 8) Carbapenem resistant Enterobacteriaceae
- 9) Coagulase negative staphylococcus
- 10) Molecular methods of drug resistance detection in gram positive cocci
