

PAPER CODE:1191

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
WARANGAL, TELANGANA STATE – 506 002**

M.D/ M.S DEGREE EXAMINATIONS: OCTOBER 2025

**MICROBIOLOGY
PAPER-II**

Time: 3 Hours

Max Marks: 100

Note: Answer all questions

Give Diagrammatic representation wherever necessary

Write an essay on the following:

10 X 10 = 100

1. Classify Mycobacteria. Discuss the pathogenesis and laboratory diagnosis of Pulmonary Tuberculosis.
2. List the bacterial causes of Sexually transmitted diseases. Describe in detail the laboratory diagnosis of Syphilis. Mention the merits and demerits of the various tests available.
3. Discuss the epidemiology, pathogenesis and laboratory diagnosis of Cholera.
4. Classify Rickettsia. Describe in detail pathogenesis and lab diagnosis of Scrub typhus.
5. List the drugs causing Antibiotic associated Diarrhoea. Discuss the pathogenesis and laboratory diagnosis and treatment of Clostridium difficile.
6. Discuss the pathogenesis, laboratory diagnosis and prevention of Helicobacter pylori.
7. Pathogenesis and laboratory diagnosis of Diphtheria. Write a note on the recent emergence of Diphtheria in India.
8. Laboratory diagnosis of HACEK group of organisms.
9. Discuss the Lancefield's classification of Streptococci. Discuss the pathogenesis and laboratory diagnosis of Streptococcus Agalactiae. Write a note on prevention of these infections in the new born.
10. List the Actinomycetes. Discuss the pathogenesis, clinical features laboratory diagnosis and treatment of Nocardiosis.
