

PAPER CODE: 1190

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

M.D/ M.S DEGREE SUPPLEMENTARY EXAMINATIONS: MARCH 2026

MICROBIOLOGY

PAPER – I

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. Discuss delayed Hypersensitivity with examples.
2. Enumerate the classes of Immunoglobulins and discuss Immunoglobulin variation with suitable examples.
3. Immunomodulation.
4. Immune evasion by microbes.
5. Plasma sterilization.
6. Transmission based precautions in infection prevention.
7. Discuss the mechanism of resistance to Beta lactam Antibiotics and methods used to detect them.
8. Role of Plasmids in drug resistance.
9. Recent developments in automation of Antimicrobial Susceptibility Testing. Add a note on Restrictive Reporting.
10. Discuss the mechanism of Graft Versus Host Disease.
