

March-2025

# BLDE (DEEMED TO BE UNIVERSITY)

Duration: 1 ½ Hrs.

Max Marks: 50

Pre – Ph.D. Course Work Examination

Paper II: BACKGROUND PAPER (Microbiology)

QP CODE - 6011

- I. Answer ANY TWO of the following** **2 x 10 = 20 Marks**
1. Describe the risk factors for hospital acquired pneumonia. Discuss epidemiology and Preventive strategies for the same.
  2. Describe antimicrobial drug resistance and its pathogenesis.
  3. Describe pathogenesis and laboratory diagnosis of Stenotrophomonas infections.
- II. Answer ANY FOUR of the following** **4 x 5 = 20 Marks**
4. Biomedical waste management.
  5. Biosafety levels in laboratory.
  6. Describe molecular characterization of Stenotrophomonas
  7. Biochemical methods of drug resistance.
  8. PCR – types, principles and applications
- III. Answer the following** **5 x 2 = 10 Marks**
9. Clinical features of Stenotrophomonas maltophilia
  10. Family tree of Stenotrophomonas
  11. Spillage management
  12. Biofilm.
  13. Hand hygiene