

**Q.P.CODE:135-NR**

DR NTR UNIVERSITY OF HEALTH SCIENCES:: VIJAYAWADA  
M.D. DEGREE EXAMINATION – **APRIL, 2018**

**MICROBIOLOGY**

Paper-IV : Applied Microbiology and Recent Advances

Time: 3 Hours

Max. Marks:100

Note: Answer all questions

All questions carry equal marks

Draw neat diagrams wherever necessary

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WRITE SHORT ESSAYS ON THE FOLLOWING:

- 1) Give an account of sterilization and disinfection practices in a tertiary care hospital.
- 2) Recent advances in laboratory diagnosis of tuberculosis
- 3) Discuss NABL accreditation protocol for microbiology laboratory
- 4) Discuss Genotyping of hepatitis viruses and its significance
- 5) Describe the modification of polymerase chain reaction and its application in microbiology
- 6) Discuss the status of HIV vaccine development
- 7) Parasitic vaccines
- 8) Catheter associated Blood-stream infections
- 9) Respiratory sampling techniques in VAP (Ventilator associated Pneumonia) and a brief note on VAP bundles
- 10) Glycopeptide resistance in Enterococci

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