

Q.P.CODE:132-NR

Dr. NTR University of Health Sciences::Vijayawada-520 008

M.D. DEGREE EXAMINATION – APRIL, 2018

MICROBIOLOGY

Paper-I: General Microbiology and Immunology

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. Discuss the T cell maturation pathway
2. Oxidizing agents in sterilization and disinfection
3. Factors affecting Bacterial growth
4. Theories of Autoimmunity
5. Enzymatic tests in bacterial identification
6. HLA typing and its applications
7. Bacterial exotoxins
8. Automation in Bacterial identification
9. Type IV hypersensitivity reaction
10. Molecular methods for typing of bacteria
